



CHUMBE ISLAND
CORAL PARK

25 Years

1998 - 2023

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Edition 2024

Underwater Photo-Guide - Volume 2: Reef fish

Chumbe Island Coral Park

Underwater
Photo-Guide



CHUMBE ISLAND
CORAL PARK

Volume 2:
Reef fish

Edition 2024



Foreword

Dear visitors!

Chumbe Island Coral Park (CHICOP) was established in 1992 as the world's first private Marine Protected Area (MPA) and believe it or not, it is still the only privately managed MPA in East Africa! As we are celebrating our 25th ecotourism anniversary on Chumbe Island, we proudly look back at two and a half decades of running extensive conservation programmes, alongside a large-scale environmental education programme, all made possible thanks to the revenues generated through our ecotourism activities. We have received many international awards and recognitions over the years and are particularly proud of the special mention by the UN Secretary General in his report to the General Assembly in 2011 on the protection of coral reefs for sustainable livelihoods and development, highlighting the sustainable management and protection of the Chumbe Reef Sanctuary, as well receiving the "Oscar for Marine Conservation", the "Global Ocean Refuge Award for Most Effective Conservation of Marine Life". We are very thankful to you, our guests, who make all our work possible.

What is special about Chumbe Reef Sanctuary?

Despite its relatively small size (55 ha), the Chumbe Reef Sanctuary is a significant and well enforced no-take area that has effectively been managed for nearly 30 years. Famous for its incredible biodiversity, the marine environment is teeming with life. Nearly 60 hard coral genera act like trees in a forest: they provide home, shelter and food for an impressive number of over 400 identified fish species and more than 235 recorded invertebrate species up to now.

What is special about these guide books?

These guide books were developed by a family that has been returning to Chumbe Island for 21 years! Countless hours' snorkelling in the Chumbe Reef Sanctuary, subsequent identification with the Chumbe Conservation Team and tireless editing back home in Germany resulted in Chumbe's first and unique underwater photo-guide in 2011. From there, the project has further developed into this edition 2024 which has grown into 6 book volumes.

We are especially honoured to have returning guests such as the Leyendecker family, and what an impressive work they have done with these guide books which have become the most popular and valued marine reference books on Chumbe Island. What an amazing achievement!

Happy species identification!



Ulli Kloiber
Scientific adviser, Marine Biologist
Chumbe Island Coral Park



Dear visitors of Chumbe Island!

Thank you for your attention to this underwater photo guide which not only aims at showing you the beauty and diversity in the Chumbe Reef – its goal is also to inspire you to tell your family and friends about this special place, as visitors like us, who decide to stay on Chumbe Island, are the sustainable funding mechanism of this very unique conservation project.

Our photo guide, edition 2024 is a collection of six volumes. Volume 1 to 4 focus on fish species and also include the common sea turtle species, while volume 5 and 6 takes a look at the high diversity of colorful invertebrate species found in the Chumbe reef.

The following pages of volume 2 includes 85 identified species which we have discovered during our numerous snorkeling trips. However, this is only the tip of the iceberg, as an even higher diversity still lies hidden under the water surface, waiting to be discovered.

If you have taken a great photograph in the reef and you would like to contribute your image to our gallery, please send a high resolution copy to the Chumbe office: conservation@chumbeisland.com.

Enjoy!

October 2024
Obertshausen, Germany
Dr. Hans-Wilhelm Leyendecker, Editor



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Dear experts!

We need your help and assistance to further develop our photo guide.

It is our goal, to create a photo guide that holds accurate and scientifically correct information about the marine species found in the marine protected area.

We know, that this is not an easy task, given the fact that we are using only photographic evidence for species identification. However, together with your knowledge and experience, we will be able to increase the quality of scientific information presented in this guide book.

If you find any incorrect information in this guide, please inform the Chumbe management (conservation@chumbeisland.com) and help us to make the next edition an even better one!

Thank you for your support.

October 2024
 Obertshausen, Germany
 Dr. Hans-Wilhelm Leyendecker, Editor

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Introduction: How to use this photo-guide?

The main aim of this photo guide is to allow YOU, the snorkeller, to identify the fishes you see when snorkeling in the Chumbe Reef Sanctuary. Since over 530 identified fish species are inhabiting this reef (and many more are awaiting discovery!), this can be a challenging and confusing mission, especially for a beginner!



Many fish species have different colours in their juvenile and adult forms, in many cases juvenile, adult males and females have different colours and/or patterns, and on top of that many fish can change their colours in just a matter of seconds to match their mood or background. Also keep in mind that colour changes rapidly with depth as water absorbs light at the red end of the spectrum, which means for example that a purple fish in the shallow reef may appear blue when seen at a greater depth at the reef edge.

Now you can imagine that identifying a new fish is never that easy and trying to learn all the different species within the timeframe of a typical holiday is almost impossible! Therefore, we have put together some tips to help you to improve your identification skills which will make your snorkel experience even more fun and interesting:

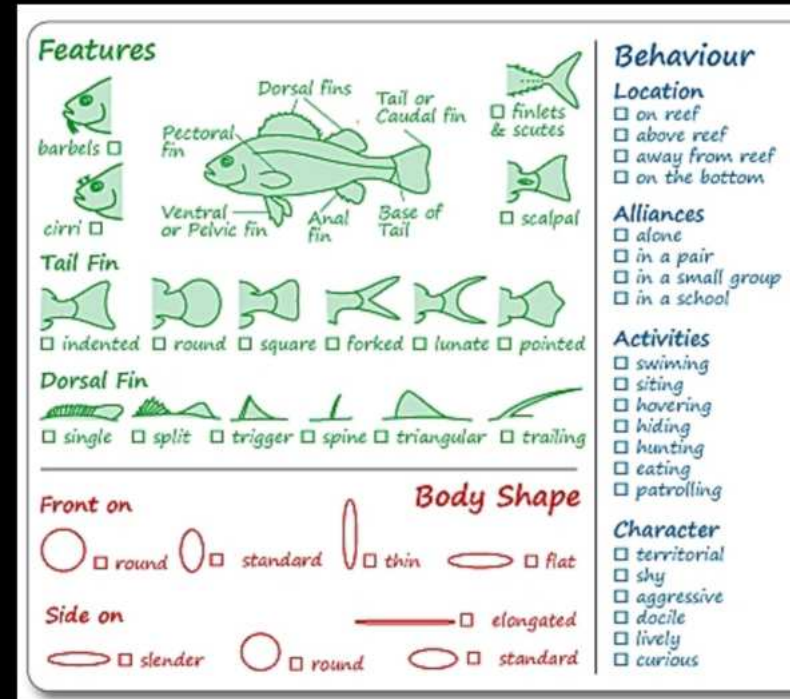
Get familiar with the common reef fish families (or just your favourites) and find out about their appearance and behaviour (our guiding rangers can help you with that). With a bit of knowledge it's easy to correctly identify most fish families and it is much easier to ID a fish if you know which family it is from.

The top 10 families seen in the Chumbe Reef are:

1. Damselfish / Pomacentridae
2. Wrasses / Labridae
3. Groupers / Serranidae
4. Snappers / Lutjanidae
5. Parrotfish / Scaridae
6. Angelfish / Pomacanthidae
7. Butterflyfish / Chaetodontidae
8. Sweetlips / Haemulidae
9. Rabbitfish / Siganidae
10. Surgeonfish / Acanthuridae

Don't just look at the fishes' appearance, observe it's behaviour as well. What the fish is doing can be just as helpful as what it looks like when you are trying to identify it. Is it on the bottom or hovering above the reef? Is it on its own or in a group? How does it swim and which fins does it use?

The slate below gives you an idea of what to look out for to help you identify a fish more easily.



Features

- barbels
- cirri
- Pectoral fin
- Dorsal fins
- Tail or Caudal fin
- finlets & scutes
- Ventral or Pelvic fin
- Anal fin
- Base of Tail
- scalpal

Tail Fin

- indented
- round
- square
- forked
- lunate
- pointed

Dorsal Fin

- single
- split
- trigger
- spine
- triangular
- trailing

Behaviour

Location

- on reef
- above reef
- away from reef
- on the bottom

Alliances

- alone
- in a pair
- in a small group
- in a school

Activities

- swimming
- siting
- hovering
- hiding
- hunting
- eating
- patrolling

Character

- territorial
- shy
- aggressive
- docile
- lively
- curious

Body Shape

Front on

- round
- standard
- thin
- flat

Side on

- slender
- round
- elongated
- standard

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Try and look for your fish in this guide or another fish book as soon after the snorkeling as possible. Memories fade fast, especially when confronted with a page of 10 very similar looking reef fish.

Don't place too much importance on common English or German names. If you look a fish up in two different books, the chances are high that it will have different names, so if you want to compare between books - use the scientific name instead. These Latin names may at first sight seem unnecessarily long and unpronounceable, but they have the great advantage of being international!

With 413 fish species represented here in volume 1 to 4 of this guide are far away from being complete, however, it aims at displaying the commoner and more conspicuous fishes on the reef.

Let the mission start!



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Kyphosidae

Rudderfishes



Kyphosus cinerascens

Blauer Ruderfisch

Blue sea chub
Snubnose rudderfish

Photo: Dr. H.W. Leyendecker

2022 Chumbe Island, Zanzibar

Kyphosidae

Rudderfishes



Kyphosus vaigiensis

Messing-Ruderfisch

Brassy chub, Lowfin rudderfish

Photo: Dr. H.W. Leyendecker

2011 Chumbe Island, Zanzibar



Kyphosus cinerascens

Colour variant of "exited" fish

Blue sea chub
Snubnose rudderfish

Photo: Dr. H.W. Leyendecker

2022 Chumbe Island, Zanzibar

Ehippidae

Batfishes



Platax orbicularis Gewöhnlicher-Fledermausfisch Orbicular batfish
Rundkopf-Fledermausfisch 2013 Chumbe Island, Zanzibar

Ehippidae

Batfishes



Platax orbicularis School of Orbicular batfish
Photo: Dr. Martin Leyendecker 2022 Chumbe Island, Zanzibar



juvenile forms



juvenile

Ephippidae

Batfishes



Platax teira
Photo: Kerstin Erlar

Langflossen-Fledermausfisch

Longfin batfish
2019 Chumbe Island, Zanzibar



juvenile



Ephippidae

Batfishes



Platax teira
Photo: Kerstin Erlar

Langflossen-Fledermausfisch

Longfin batfish
2019 Chumbe Island, Zanzibar

Ephippidae

Batfishes



Tripterodon orbis
Photo: Kim Nesbitt

Afrikanischer Spatenfisch

African spadefish
2014 Chumbe Island, Zanzibar

Ephippidae

Batfishes



Tripterodon orbis
Photo: Dr. H.-W. Leyendecker

Afrikanischer Spatenfisch

African spadefish
2016 Chumbe Island, Zanzibar



Photo: Kim Nesbitt

2014 Chumbe Island, Zanzibar



Photo: Dr. H.-W. Leyendecker 2016

Mullidae

Goatfishes



Mulloidichthys vanicolensis
Photo: Dr. Valentina Herbring

Gelbschwanz-Meerbarbe

Yellowfin goatfish
2023 Mnemba, Zanzibar



Mulloidichthys vanicolensis
Photo: Dr. M. Leyendecker

Gelbschwanz-Meerbarbe

Yellowfin goatfish
2023 Mnemba, Zanzibar

Mullidae

Goatfishes



Parupeneus cyclostomus

Gelbsattel-Meerbarbe

Yellowsaddle goatfish
2014 Chumbe Island, Zanzibar



Parupeneus cyclostomus

Gelbsattel-Meerbarbe
Farbvariante: Zitronenbarbe

Yellowsaddle goatfish
or Gold-saddle goatfish
(different color phases)
2013 Chumbe Island, Zanzibar

Mullidae

Goatfishes



Parupeneus indicus
Photo: Martin Leyendecker

Indische Barbe

Indian goatfish
2017 Chumbe Island, Zanzibar

Mullidae

Goatfishes



Parupeneus macronemus

Langbartel-Meerbarbe

Longbarbel goatfish
2013 Chumbe Island, Zanzibar



at night

2013 Chumbe Island, Zanzibar

Mullidae

Goatfishes



Parupeneus pleurostigma

Schwarzfleck-Meerbarbe

Round-spot goatfish
2007 Chumbe Island, Zanzibar



Parupeneus pleurostigma
Photo: Dr. Valentina Herbring

Schwarzfleck-Meerbarbe

Round-spot goatfish
2023 Mnemba, Zanzibar

Pomacanthidae

Angelfishes



Pomacanthus asfur
Photos: GinoDamiaPacarini

Halbmond-Kaiserfisch

Arabian angelfish
2010 Chumbe Island, Zanzibar



Pomacanthidae

Angelfishes



Centropyge multispinis Brauner Zwergkaiserfisch Brown dwarf-angelfish
or Multispined angelfish
2013 Chumbe Island, Zanzibar



Photo: Dr. H.-W. Leyendecker 2019 Chumbe Island, Zanzibar

Pomacanthidae

Angelfishes



Centropyge multispinis Brauner Zwergkaiserfisch Brown dwarf-angelfish
or Multispined angelfish
Photos: Dr. H.-W. Leyendecker 2016 Chumbe Island, Zanzibar



Pomacanthidae

Angelfishes



Pomacanthus chrysurus Ostafrika-Kaiserfisch Earspot angelfish
2014 Chumbe Island, Zanzibar

Pomacanthidae

Angelfishes



Pomacanthus chrysurus Ostafrika-Kaiserfisch Earspot angelfish
2009 Chumbe Island, Zanzibar



Pomacanthidae

Angelfishes



Pomacanthus imperator
Imperator-Kaiserfisch
juvenile forms
Emperor angelfish
2007 Chumbe Island, Zanzibar



Pomacanthidae

Angelfishes



Pomacanthus imperator
Imperator-Kaiserfisch
Emperor angelfish
2007 Chumbe Island, Zanzibar



semiadult Emperor angelfish
2010 Chumbe Island, Zanzibar

Pomacanthidae

Angelfishes



Pomacanthus semicirculatus Koran Kaiserfisch
Koran or Semicircle angelfish
2005 Chumbe Island, Zanzibar



juvenile

Pomacanthidae

Angelfishes



Pygoplites diacanthus Pfeifen-Kaiserfisch
Royal or Regal angelfish
2007 Chumbe Island, Zanzibar



Chaetodontidae

Butterflyfishes



Chaetodon auriga
Photo: Dr. Valentina Herbring

Fähnchen-Falterfisch

Threadfin butterflyfish
2022 Chumbe Island Zanzibar

Chaetodontidae

Butterflyfishes



Chaetodon bennetti
Photo: Ulli Kloiber

Bennetts Falterfisch

Eclipse butterflyfish
or Benett's butterflyfish
2014 Chumbe Island, Zanzibar



Photo: Dr. Martin Leyendecker

2022 Chumbe Island, Zanzibar

Chaetodontidae

Butterflyfishes



Chaetodon falcula Keilfleck-Falterfisch Saddleback butterflyfish
2010 Chumbe Island, Zanzibar



Chaetodon auriga Chaetodon falcula

Chaetodontidae

Butterflyfishes



Chaetodon guttatus Tüpfel-Falterfisch Spotted butterflyfish
2016 Chumbe Island, Zanzibar



Photo: Dr. H.-W. Leyendecker 2019

Chaetodontidae

Butterflyfishes



Chaetodon kleinii Klein's Falterfisch Sunburst butterflyfish
2013 Chumbe Island, Zanzibar



Photo: Dr. Valentina Herbring 2022 Chumbe Island, Zanzibar

Chaetodontidae

Butterflyfishes



Chaetodon lineolatus Gestreifter Falterfisch Lined butterflyfish
2016 Chumbe Island, Zanzibar



Photo: Dr. H.-W. Leyendecker 2019 Chumbe Island, Zanzibar

Chaetodontidae

Butterflyfishes



Chaetodon lunula Mondsichel-Falterfisch Racoon butterflyfish
2007 Chumbe Island, Zanzibar



Photos: Ulli Kloiber juvenile 2018 Chumbe Island, Zanzibar

Chaetodontidae

Butterflyfishes



Chaetodon melannotus Schwarzrücken-Falterfisch Blackback butterflyfish
2015 Chumbe Island, Zanzibar



Chaetodontidae

Butterflyfishes



Chaetodon meyeri
Photo: Leyendecker

Meyers Falterfisch

Meyer's butterflyfish
2010 Chumbe Island, Zanzibar



Photo: Dr. Martin Leyendecker

2022 Chumbe Island, Zanzibar

Chaetodontidae

Butterflyfishes



Chaetodon meyeri
Photo: Dr. H.-W. Leyendecker

Meyers Falterfisch

Meyer's butterflyfish
2016 Chumbe Island, Zanzibar



Photo: Dr. H.-W. Leyendecker

2013 Chumbe Island, Zanzibar

Chaetodontidae

Butterflyfishes



Chaetodon trifascialis

Sparren-Falterfisch

Chevroned butterflyfish
2011 Chumbe Island, Zanzibar



juvenile

Chaetodontidae

Butterflyfishes



Chaetodon trifascialis

Sparren-Falterfisch

Photo: Dr. H.-W. Leyendecker

Chevroned butterflyfish
2015 Chumbe Island, Zanzibar



Photo: Dr, Martin Leyendecker

juvenile

2022 Chumbe Island, Zanzibar

Chaetodontidae

Butterflyfishes



Chaetodon trifasciatus Rippen-Falterfisch Rip butterflyfish
2015 Chumbe Island, Zanzibar

Chaetodontidae

Butterflyfishes



Chaetodon trifasciatus Rippen-Falterfisch Rip butterflyfish
2015 Chumbe Island, Zanzibar



juvenile



Chaetodontidae

Butterflyfishes



Chaetodon xanthocephalus
Photo: Dr. H.-W. Leyendecker

Gelbkopf-Falterfisch

Yellowhead butterflyfish
2019 Chumbe Island, Zanzibar



Photo: Leyendecker

2009 Chumbe Island, Zanzibar

Chaetodontidae

Butterflyfishes



Chaetodon zanzibarensis
Photo: Dr. H.-W. Leyendecker

Sansibar-Falterfisch

Zanzibar butterflyfish
2016 Chumbe Island, Zanzibar



juvenile

Chaetodontidae

Butterflyfishes



Chaetodon zanzibarensis
Photo: Dr. H.-W. Leyendecker

Sansibar-Falterfisch

Zanzibar butterflyfish
2012 Chumbe Island, Zanzibar



juvenile

Photo: Dr. H.-W. Leyendecker

2019 Chumbe Island, Zanzibar

Chaetodontidae

Butterflyfishes



Forcipiger longirostris Röhrenmaul-Pinzettfisch Yellow longnose butterflyfish
Photos: Dr. H.-W. Leyendecker 2019 Chumbe Island, Zanzibar



Chaetodontidae

Butterflyfishes



Forcipiger longirostris Röhrenmaul-Pinzettfisch Yellow longnose butterflyfish
Photos: Dr. H.-W. Leyendecker 2015 Chumbe Island, Zanzibar



Photo: Dr, Martin Leyendecker juvenile 2022 Chumbe Island, Zanzibar

Chaetodontidae

Bannerfishes



Heniochus acuminatus Gemeiner Wimpelfisch Longfin bannerfish
Photo: Dr. H.-W. Leyendecker 2019 Chumbe Island, Zanzibar



Photo: Leyendecker 2009 Chumbe Island, Zanzibar

Chaetodontidae

Bannerfishes



Heniochus monoceros Masken-Wimpelfisch Masked bannerfish
Photo: Dr. M. Leyendecker 2023 Mnemba, Zanzibar

Cirrhitidae

Hawkfishes



Cirrhitichthys oxycephalus Gefleckter Büschelbarsch Spotted or Pixy hawkfish
2016 Chumbe Island, Zanzibar

Cirrhitidae

Hawkfishes



Cirrhitichthys oxycephalus Gefleckter Büschelbarsch Spotted or Pixy hawkfish
Photo: Dr. Valentina Herbring 2022 Chumbe Island, Zanzibar



Cirrhitidae

Hawkfishes



Paracirrhites arcatus Monokel-Büschelbarsch Arc-eye hawkfish
or Monocle hawkfish
2015 Chumbe Island, Zanzibar



Cirrhitidae

Hawkfishes



Paracirrhites arcatus Monokel-Büschelbarsch Arc-eye hawkfish
or Monocle hawkfish
Photo: Markus Meissl 2012 Chumbe Island, Zanzibar



Photo: Leyendecker 2016 Chumbe Island, Zanzibar

Cirrhitidae

Hawkfishes



Paracirrhites forsteri Forsters Büschelbarsch Forster's hawkfish or Freckled hawkfish or Blackside hawkfish 2012 Chumbe Island, Zanzibar



Photo: Markus Meissl juvenile 2012 Chumbe Island, Zanzibar

Cirrhitidae

Hawkfishes



Paracirrhites forsteri Forsters Büschelbarsch Forster's hawkfish or Freckled hawkfish or Blackside hawkfish 2016 Chumbe Island, Zanzibar



colour variant 2016 Chumbe Island, Zanzibar

Pempheridae

Sweepers



Parapriacanthus ransonneti Gelber Feger Yellow sweeper
oder Schwarm-Glasfisch 2013 Chumbe Island, Zanzibar



Pempheridae

Sweepers

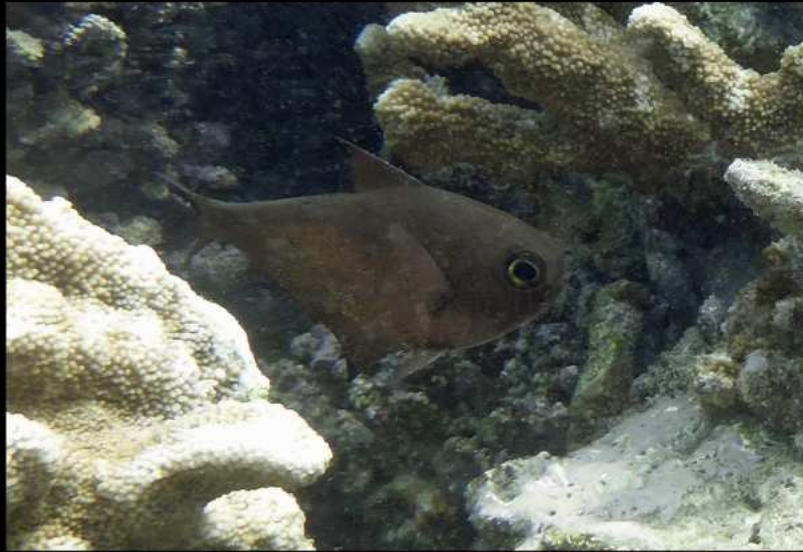


Pempheris adusta Beilfisch Dusty sweeper
2010 Chumbe Island, Zanzibar



Pempheridae

Sweepers



Pempheris oualensis Kupfer-Beilbauchfisch Copper sweeper
2015 Chumbe Island, Zanzibar

Pempheridae

Sweepers



Pempheris vanicolensis Höhlen-Beilbauchfisch Cave sweeper
Photo: Dr. H.-W. Leyendecker 2016 Chumbe Island, Zanzibar



Pomacentridae

Damselfishes



Abudefduf sexfasciatus

Scherenschwanz-Sergeant

Scissortail sergeant
2015 Chumbe Island, Zanzibar



Pomacentridae

Damselfishes



Abudefduf sordidus Schwarzpunkt-Sergeant Blackspot sergeant
Photo: Dr. H.-W. Leyendecker 2023 Chumbe Island, Zanzibar



Abudefduf sordidus Schwarzpunkt-Sergeant Blackspot sergeant
2010 Chumbe Island, Zanzibar

Pomacentridae

Damselfishes



Abudefduf sordidus Schwarzpunkt-Sergeant Blackspot sergeant
Photos: Dr. H.-W. Leyendecker juvenile 2016 Chumbe Island, Zanzibar



Pomacentridae

Damselfishes



Abudefduf sparoides

Punkt-Sergeant

False-eye damsel
2012 Chumbe Island, Zanzibar



Pomacentridae

Damselfishes



Abudefduf vaigiensis

Indo-Pazifischer Feldwebelfisch

Indo-Pacific sergeant
Photos: Dr. H.-W. Leyendecker
2020 Chumbe Island, Zanzibar



Pomacentridae

Damselfishes



Amblyglyphidodon indicus
Photos: Dr. H.-W. Leyendecker

Riffbarsch
adult

Maldives damselfish
2016 Chumbe Island, Zanzibar



adult

Pomacentridae

Damselfishes



Amblyglyphidodon indicus
Photos: Dr. H.-W. Leyendecker

Riffbarsch
juvenile

Maldives damselfish
2016 Chumbe Island, Zanzibar



juvenile

Pomacentridae

Anemonefishes



Amphiprion akallopisos Weißrücken-Anemonenfisch Skunk anemonefish
Coral bleaching June 2016 2016 Chumbe Island, Zanzibar



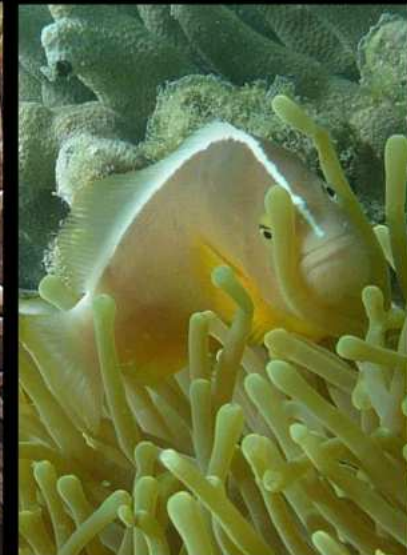
Photos: Leyendecker 2016

Pomacentridae

Anemonefishes



Amphiprion akallopisos Weißrücken-Anemonenfisch Skunk anemonefish
2015 Chumbe Island, Zanzibar



Pomacentridae

Anemonefishes



Amphiprion allardi Allards Anemonefish Allard's anemonefish
2006 Chumbe Island, Zanzibar



Pomacentridae

Anemonefishes



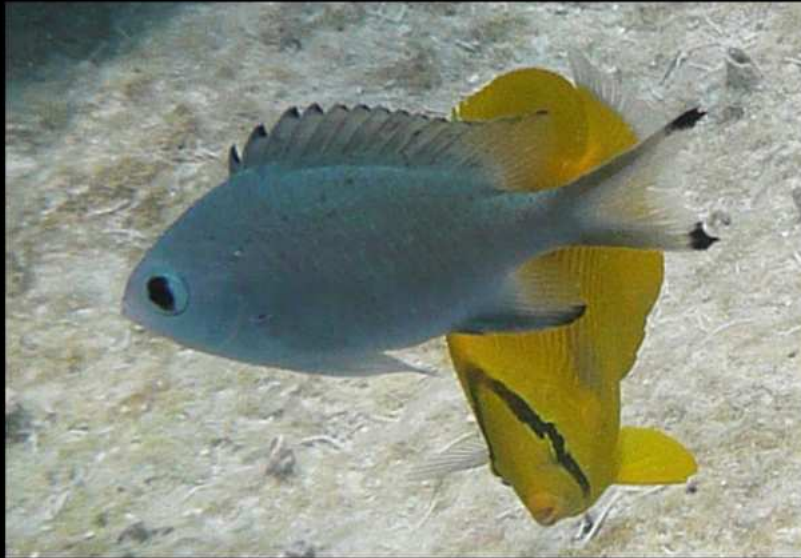
Amphiprion allardi Allards Anemonefish juvenile form Allard's anemonefish
2015 Chumbe Island, Zanzibar



Photo: Dr. H.-W. Leyendecker 2020 Chumbe Island, Zanzibar

Pomacentridae

Damselfishes



Azurina lepidolepis Schuppiger Schwalbenschwanz Scaly chromis
2008 Chumbe Island, Zanzibar



Photo: Dr. H.-W. Leyendecker 2016 Chumbe Island, Zanzibar

Pomacentridae

Damselfishes



Chromis atripectoralis Schwarzachsel-Schwalbenschwänzchen Black axil chromis
2007 Chumbe Island, Zanzibar



Photo: Dr. H.-W. Leyendecker 2016 Colouring of a male during breeding season

Pomacentridae

Damselfishes



Chromis opercularis
Photo: Dr. H.-W. Leyendecker

Riffbarsch

Doublebar chromis
2019 Chumbe Island, Zanzibar



Pomacentridae

Damselfishes



Chromis opercularis
Photo: Dr. H.-W. Leyendecker

Colour variant

2019 Chumbe Island, Zanzibar

Pomacentridae

Damselfishes



Chromis ternatensis Ternate-Schwalbenschwanz Ternate puller
2006 Chumbe Island, Zanzibar



Pomacentridae

Damselfishes



Chromis viridis Grüner Schwalbenschwanz Bluegreen puller
2015 Chumbe Island, Zanzibar



Photo: Dr. H.-W. Leyendecker

2012 Chumbe Island, Zanzibar

Pomacentridae

Damselfishes



Chromis weberi
Photo: Dr. H.-W. Leyendecker

Webers Chromis

Weber's chromis
2013 Chumbe Island, Zanzibar

Pomacentridae

Damselfishes



Chrysiptera annulata
Photo: Dr. M. Leyendecker

Riffbarsch

Footballer demoiselle
2023 Chumbe Island, Zanzibar



Chrysiptera annulata
Photo: Dr. M. Leyendecker

Riffbarsch

Footballer demoiselle
2023 Chumbe Island, Zanzibar

Pomacentridae

Damselfishes



Chrysiptera biocellata
Photo: Dr. H.-W. Leyendecker

Zweipunkt-Demoiselle

Two-spot demoiselle
2015 Chumbe Island, Zanzibar



Pomacentridae

Damselfishes



Chrysiptera biocellata

Wellen-Demoiselle
juvenil

Surge damselfish
2013 Chumbe Island, Zanzibar

Pomacentridae

Damselfishes



Chrysiptera brownriggii Wellen-Demoiselle (Variante) Surge damselfish
2013 Chumbe Island, Zanzibar



Chrysiptera brownriggii Wellen-Demoiselle Surge damselfish
Photo: Dr. H.-W. Leyendecker juvenile 2018 Chumbe Island, Zanzibar

Pomacentridae

Damselfishes



Chrysiptera rollandi Rollands Riffbarsch Rolland's demoiselle
Photo: Dr. H.-W. Leyendecker juvenile 2015 Chumbe Island, Zanzibar

Pomacentridae

Damselfishes



Chrysiptera glauca
Photo: Dr. H.-W. Leyendecker

Riffbarsch

Grey demoiselle
2016 Chumbe Island, Zanzibar



Pomacentridae

Damselfishes



Chrysiptera glauca
Photo: Dr. H.-W. Leyendecker

Riffbarsch

Grey demoiselle
2016 Chumbe Island, Zanzibar



Pomacentridae

Damselfishes



Chrysiptera unimaculata
Photo: Dr. H.-W. Leyendecker

Riffbarsch
juvenile

Onespot demoiselle
2017 Chumbe Island, Zanzibar

Pomacentridae

Damselfishes



Chrysiptera unimaculata
Photo: Dr. H.-W. Leyendecker

Riffbarsch
adult

Onespot demoiselle
2017 Chumbe Island, Zanzibar



Pomacentridae

Damselfishes



Dascyllus aruanus Dreibinden-Preußenfisch Three stripe or Humbug damsel
2012 Chumbe Island, Zanzibar



Pomacentridae

Damselfishes



Dascyllus cameus Weißschwanz-Preußenfisch Cloudy dascyllus
Photo: Leyendecker 2018 Chumbe Island, Zanzibar



Pomacentridae

Damselfishes



Dascyllus trimaculatus Dreipunkt-Preußenfisch Three spot dascyllus or Domino
Photo: Dr. H.-W. Leyendecker Indischer Preußenfisch 2016 Chumbe Island, Zanzibar

Pomacentridae

Damselfishes



Dascyllus trimaculatus adult male Three spot dascyllus or Domino
Photo: Dr. H.-W. Leyendecker Indischer Preußenfisch 2015 Chumbe Island, Zanzibar



juvenile form

Photo: Dr. H.-W. Leyendecker 2016



Photo: Dr. H.-W. Leyendecker

2016 Chumbe Island, Zanzibar

Pomacentridae

Damselfishes



Neoglyphidodon melas
Photo: Dr. H.-W. Leyendecker

Gelbrücken-Riffbarsch
male adult

Bowtie damselfish
or Regal damsel
2016 Chumbe Island, Zanzibar

Pomacentridae

Damselfishes



Neoglyphidodon melas
Photo: Dr. H.-W. Leyendecker

Gelbrücken-Riffbarsch
juvenile

Bowtie damselfish
or Regal damsel
2012 Chumbe Island, Zanzibar



Pomacentridae

Damselfishes



Neopomacentrus cyanomos Demoiselle-Riffbarsch Regal demoiselle
Photos: Dr. Martin Leyendecker 2022 Chumbe Island, Zanzibar



Pomacentridae

Damselfishes



Neopomacentrus sororius Keil-Demoiselle Yellow-tail demoiselle
2013 Chumbe Island, Zanzibar



Photo: Dr. H.-W. Leyendecker 2016 Chumbe Island, Zanzibar

Pomacentridae

Damselfishes



Plectroglyphidodon dickii

Dicks Riffbarsch

Dick's damsel, Blackbar devil
or Narrowbar damsel
2009 Chumbe Island, Zanzibar



Photo: Dr. H.-W. Leyendecker

2015 Chumbe Island, Zanzibar

Pomacentridae

Damselfishes



Plectroglyphidodon fasciolatus
Photo: Dr. H.-W. Leyendecker

Riffbarsch

Pacific gregory
2019 Chumbe Island, Zanzibar

Pomacentridae

Damselfishes



Plectroglyphidodon fasciolatus
Photos: Dr. H.-W. Leyendecker

Riffbarsch

Pacific gregory
2019 Chumbe Island, Zanzibar



juvenile



Pomacentridae

Damselfishes



Plectroglyphidodon johnstonianus
Photos: Dr. H.-W. Leyendecker

Johnston-Riffbarsch

Johnston damsel
2016 Chumbe Island, Zanzibar

Pomacentridae

Damselfishes



Plectroglyphidodon johnstonianus

Johnston-Riffbarsch

Johnston damsel
2012 Chumbe Island, Zanzibar



Pomacentridae

Damselfishes



Plectroglyphidodon leucozonus
Photo: Dr. H.-W. Leyendecker

Weißband-Riffbarsch Sash damsel
2016 Chumbe Island, Zanzibar

Pomacentridae

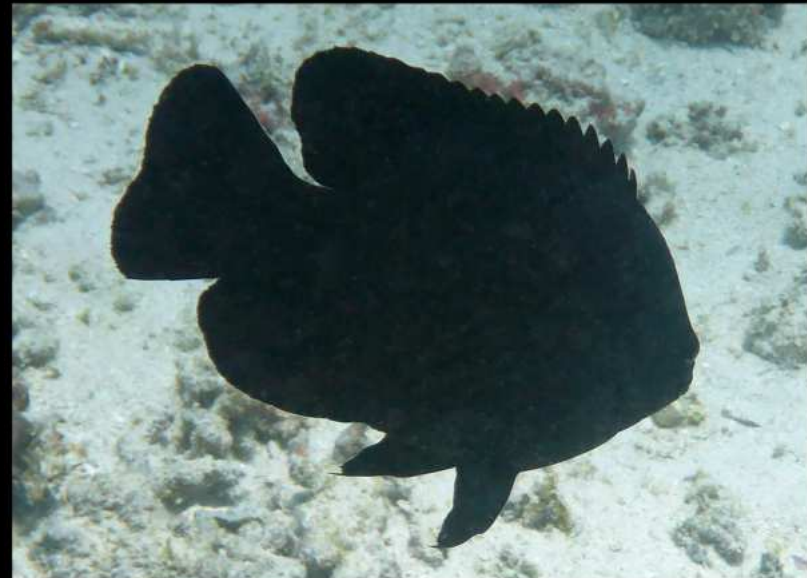
Damselfishes



Pomacentrus aquilus
Photos: Dr. H.-W. Leyendecker

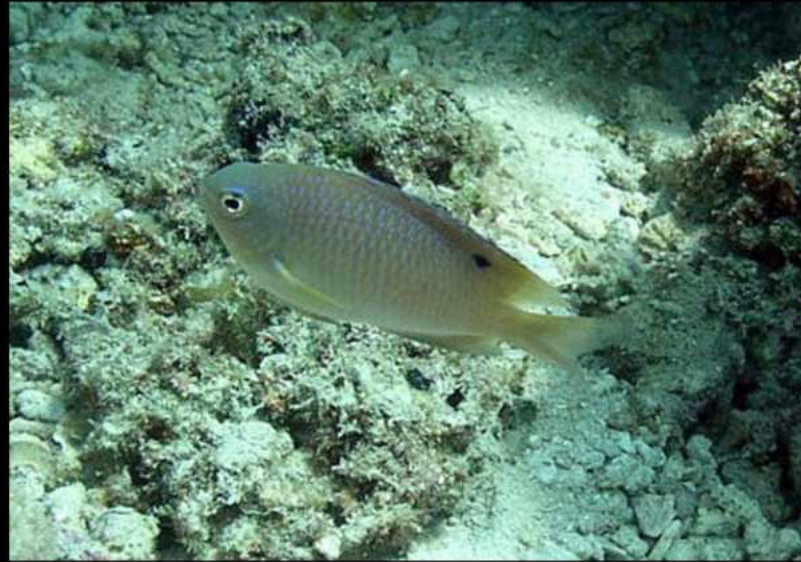
Dunkler Riffbarsch

Dark damsel
2020 Chumbe Island, Zanzibar



Pomacentridae

Damselfishes



Pomacentrus baenschi
Photos: Elisabeth Tyler

East africa's damsel
2004 Chumbe Island, Zanzibar



Pomacentridae

Damselfishes



Pomacentrus baenschi
Photo: Aaron Critchley

female

East africa's damsel
2016 Chumbe Island, Zanzibar

Pomacentridae

Damselfishes



Pomacentrus caeruleus Azurblaue Demoiselle Blue-yellow damselfish
Photo: Dr. H.-W. Leyendecker 2015 Chumbe Island, Zanzibar



Photo: Dr. H.-W. Leyendecker 2016 Chumbe Island, Zanzibar

Pomacentridae

Damselfishes



Pomacentrus indicus Indische Demoiselle Indian damsel
Photos: Dr. H.-W. Leyendecker 2016 Chumbe Island, Zanzibar



Pomacentridae

Damselfishes



Pomacentrus leptus Afrikanische Demoiselle Slender damsel
Phoros: Dr. H.-W. Leyendecker 2015 Chumbe Island, Zanzibar



Pomacentridae

Damselfishes



Pomacentrus similis Riffbarsch Similar damsel
Photo: Dr. H.-W. Leyendecker 2015 Chumbe Island, Zanzibar



Pomacentridae

Damselfishes



Pomacentrus pavo

Pfauen-Demoiselle

Blue-green damsel
or Sapphir damsel
2008 Chumbe Island, Zanzibar

Pomacentridae

Damselfishes



Pomacentrus pavo

Pfauen-Demoiselle

Blue-green damsel
or Sapphir damsel
2016 Chumbe Island, Zanzibar

Photo: Leyendecker



Pomacentridae

Damselfishes



Pomacentrus sulfureus Zitronengelbe Demoiselle juvenile Lemon damselfish or Sulfur damselfish
Photo: Dr. H.-W. Leyendecker 2016 Chumbe Island, Zanzibar



Pomacentridae

Damselfishes



Pomacentrus sulfureus Zitronengelbe Demoiselle Lemon damselfish or Sulfur damselfish
2015 Chumbe Island, Zanzibar



Pomacentridae

Damselfishes



Pomacentrus trilineatus Dreiliniën-Demoiselle Threeline damsel
adult male 2013 Chumbe Island, Zanzibar



juvenile

Pomacentridae

Damselfishes



Pomacentrus trilineatus Dreigestreifte Demoiselle Threeline damsel
juvenile 2013 Chumbe Island, Zanzibar



juvenile

Pomacentridae

Damselfishes



Pomacentrus tripuncatus
Photos: Dr. H.-W. Leyendecker
Dreipunkt-Demoiselle
2016 Chumbe Island, Zanzibar
Threespot damsel



Pomacentridae

Damselfishes



Pomacentrus trichourus
Photo: Martin Leyendecker
Riffbarsch
Pailtail damsel
2017 Chumbe Island, Zanzibar

Pomacentridae

Damselfishes



Pycnochromis dimidiatus Zweifarb-Schwalbenschwanz Bicolor puller
2009 Chumbe Island, Zanzibar



Photo: Dr. H.-W. Leyendecker 2016 Chumbe Island, Zanzibar

Pomacentridae

Damselfishes



Pycnochromis nigrurus Schwarzsaum-Riffbarsch Blacktail chromis
Photo: Dr. H.-W. Leyendecker 2015 Chumbe Island, Zanzibar



Photo: Dr. H.-W. Leyendecker 2020 Chumbe Island, Zanzibar

Pomacentridae

Damselfishes



Stegastes lacrymatus

Blaupunkt-Riffbarsch

Juwel damsel
or Whitespotted devil
2012 Chumbe Island, Zanzibar

Pomacentridae

Damselfishes



Stegastes lacrymatus

Blaupunkt-Riffbarsch

Juwel damsel
or Whitespotted devil
2007 Chumbe Island, Zanzibar



Gerreidae

Mojarras



Gerres longirostris

Silberling, Mojarra

Common mojarras
or Common silver-biddy
2019 Chumbe Island, Zanzibar





Welcome back
again to
Chumbe Island

Quickfinder

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Acknowledgements

I would like to thank all the people who are working with Chumbe Island Coral Park Ltd. They are all doing a great job protecting the unique coral reef on the west coast of Chumbe Island. Their enthusiasm and commitment over many years has inspired me to create this photo guide which presents species that are found in the Chumbe Reef Sanctuary.

The majority of the photos were taken by my son Martin Leyendecker. During our annual visits over the last 21 years to Chumbe Island, Martin has taken every opportunity to snorkel on the reef and captured photos of the diverse reef inhabitants. During these many reef visits we were safely guided by the experienced and knowledgeable rangers of Chumbe Island. It was the enthusiasm and expertise of Head Ranger Omari Nyange, Environmental Educator Khamis Khalfan, Guiding Rangers Juma Salum, Ali Chaga and Ali Harun and the Marine Biologist Ulli Kloiber assisted by the Ramadan rangers 2016 Aaron Critchley and Jorge Santamaria Perez, as well as the marine biologist Sander den Haring and Dr. Renato Morais that enabled me to identify the species photographed for this guide.

Chumbe's scientific advisor, Ulli Kloiber helped with identification and wrote the introduction on how to use this photo guide for the readers. I would like to thank her for her untiring support.

The photos which were not taken by Martin are credited to the photographer. This edition 2024 was supported by the following photographers: Markus Meissl, Oskar Hendriksson, Elisa Alonso, Frida Landshammar, Olivia McGrath, Elisabeth Tyler, Kim Nesbitt, Aaron Critchley, Jorge Santamaria Perez, Monica Hemming Rorvik, Kerstin Erler, Helen Peeks, Valentina Herbring and Ulli Kloiber. The few images that have been taken outside of the Chumbe reef were selected because of their superior quality.

I would also like to thank all of the fellow guests to Chumbe Island, who through their visit support not only the protection and conservation of the island and the diverse coral reef but also Chumbe's unique Environmental Education (EE) programme. The EE programme brings local community members and Zanzibari students of all ages to Chumbe Island and enables them to snorkel over the healthy coral reef, discover the spectacular wildlife underwater and learn more about environmental sustainability and ecotourism.

Last but not least I would like to thank Ms. Sibylle Riedmiller, who is the Founder and Director of Chumbe Island Coral Park (CHICOP), the first privately established and managed Marine Protected Area (MPA) in the world. She implemented the idea for private conservation in the early 1990's and today Chumbe Island is a world famous showcase! Without her unrelenting devotion to the Chumbe project this book would likely not have been realized.

October 2024
Obertshausen, Germany
Dr. Hans-Wilhelm Leyendecker, Editor

