

Converting Colors

XYZ(31.6509, 50.4440, 50.1890)

Have a look what the booklet for
XYZ(31.6509, 50.4440, 50.1890)
contains.

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Color

**XYZ(31.5794, 50.3013,
50.1642)**

Conversions

Conversions Part 1

Format	Color
Hex	00D4B2
RGB	0, 212, 178
RGB Percent	0%, 83%, 70%
CMY	0.9998, 0.1686, 0.3020
CMYK	1.00, 0.00, 0.16, 0.17
HSL	170°, 100%, 42%
HSV	170°, 100%, 83%
XYZ	31.5794, 50.3013, 50.1642
YIQ	144.7360, -115.4380, -55.5180

Conversions

Conversions Part 2

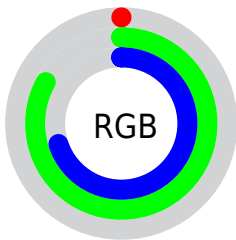
Format	Color
RYB	0, 115, 212
Decimal	54450
CIELab	76.25, -51.34, 4.59
CIELCh	76, 51.546, 174.892
Yxy	50.3013, 0.2392, 0.3809
Android (android.graphics.Color)	4278244530 (0xFF00D4B2)
YUV	144.7360, 16.3992, -126.9335
Hunter-Lab	70.9234, -44.6369, 7.7105

Details

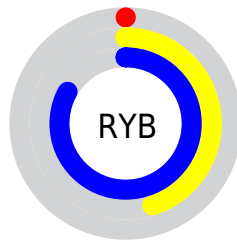
The XYZ color **31.5794, 50.3013, 50.1642** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **27.4420, 14.1141, 2.7944**, and the grayscale version is **26.7809, 28.1756, 30.6833**.

A 20% lighter version of the original color is **56.5551, 80.5247, 90.4040**, and **15.5901, 25.2576, 23.4556** is the 20% darker color. If you saturate the color by 10%, you get **31.5797, 50.3027, 50.1621**, and if you desaturate by 10%, it is **32.2405, 50.6034, 52.0011**.

Distribution



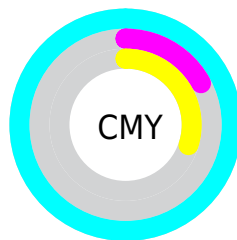
- Red (0%)
- Green (83%)
- Blue (70%)



- Red (0%)
- Yellow (45%)
- Blue (83%)



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (17%)





- Cyan (100%)
- Magenta (17%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.5794, 50.3013, 50.1642 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 31.5794, 50.3013, 50.1642 by changing the saturation by 10% instead.


 31.5794, 50.3013,
50.1642


 31.5794, 50.3013,
50.1642


300.9782,
387.8430, 404.0612


 21.1944, 35.6529,
35.1718


 61.5208, 90.6211,
91.8169


 13.3795, 24.1662,
23.5106


 81.8079, 117.0613,
119.3143


 7.7692, 15.4570,
14.7622


 106.1265,
148.2009, 151.8171

 3.9982, 9.1407,
8.5079

 134.8418,
184.4242, 189.7439

 1.7011, 4.8331,
4.3292

 168.3193,
226.1157, 233.5131

 0.4570, 2.1497,
1.8076

206.9243,

 0.0000, 0.6923,

273.6597, 283.5434

0.4330

251.0222,
327.4407, 340.2532

■ 0.0000, 0.0000,
0.0000

■ 31.5794, 50.3013,
50.1642

■ 31.5794, 50.3013,
50.1642

■ 31.5797, 50.3027,
50.1621

■ 32.2405, 50.6034,
52.0011

■ 33.2534, 51.0846,
53.8978

■ 34.7344, 51.8062,
55.8612

■ 36.7468, 52.8006,
57.8947

■ 39.3439, 54.0956,
60.0009

■ 42.5725, 55.7151,
62.1824

■ 46.4748, 57.6808,
64.4415

■ 51.0890, 60.0125,
66.7801

■ 56.4505, 62.7285,
69.2004

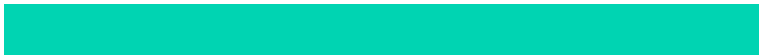
Harmonies

Analogous

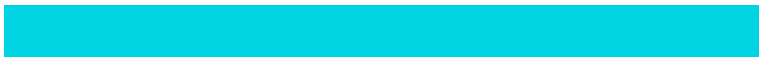
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.1559, 50.3013, 29.4990



31.5794, 50.3013, 50.1642



32.8500, 50.3013, 80.3778

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



31.5794, 50.3013, 50.1642



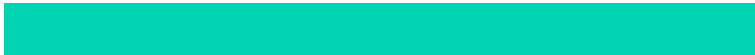
56.0703, 50.3013, 118.6602



59.3197, 50.3013, 21.7373

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



31.5794, 50.3013, 50.1642



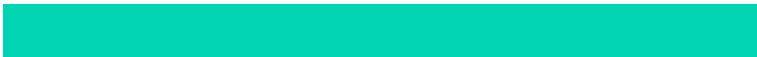
27.4420, 14.1141, 2.7944

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.7359, 50.3013, 35.2755



31.5794, 50.3013, 50.1642



64.6897, 50.3013, 91.4553

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



31.5794, 50.3013, 50.1642



46.1735, 50.3013, 126.7661



68.8223, 50.3013, 59.6485



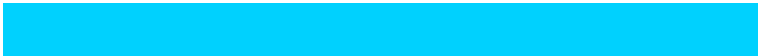
49.4844, 50.3013, 17.0109

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.5794, 50.3013, 50.1642



35.8109, 50.3013, 101.6006



68.8223, 50.3013, 59.6485



62.2281, 50.3013, 25.1292

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



31.5808, 50.3032, 50.1654



70.3717, 87.4989, 97.7592



24.2501, 47.4524, 7.8822



14.4976, 18.4436, 20.6088



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.5808, 50.3032, 50.1654



47.9098, 76.3799, 75.8997



21.4609, 23.9065, 65.7728



12.7026, 14.0721, 15.5145



19.5262, 31.0658, 31.1304



1.2012, 1.8831, 2.0011

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



27.4420, 14.1141, 2.7944



41.6386, 21.4194, 4.0289



29.3863, 18.4652, 2.0164



12.5037, 12.4530, 13.3267



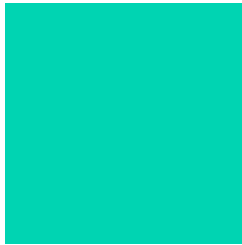
16.9645, 8.7221, 1.8511



1.0491, 0.5364, 0.2479

Previews

White Background



This preview shows how the XYZ color 31.5794, 50.3013, 50.1642 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 31.5794, 50.3013, 50.1642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

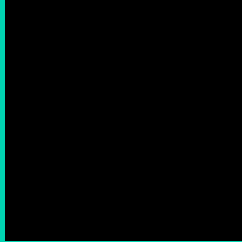
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

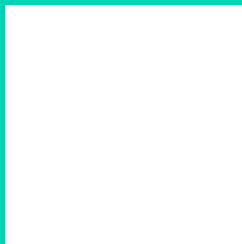
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.5794, 50.3013, 50.1642

Background



This preview shows how black text looks on a background with the XYZ color 31.5794, 50.3013, 50.1642.



This preview shows how white text looks on a background with the XYZ color 31.5794, 50.3013,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

31.5794, 50.3013, 50.1642

Protanopia

46.7654, 49.4002, 42.1924

Deuteranopia

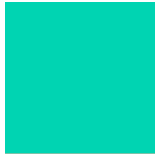
50.4577, 49.5297, 52.7997



Tritanopia

37.2541, 50.4310, 77.5827

Trichromacy



Original Color

31.5794, 50.3013, 50.1642



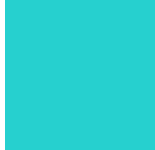
Protanomaly

34.9887, 46.1799, 44.6056



Deuteranomaly

36.4991, 45.8225, 51.1769



Tritanomaly

34.6177, 50.0288, 66.8635

Monochromacy



Original Color

31.5794, 50.3013, 50.1642



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

24.6874, 33.0856, 36.9833

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5794, 50.3013, 50.1642 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 212, 178)` looks like.

```
.text, #text, p{  
    color:rgb(0, 212, 178)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 212, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 212, 178) }
```

Border

The CSS property to change the border of an element to XYZ 31.5794, 50.3013, 50.1642 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 212, 178) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(0, 212, 178) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 212, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 212, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 212, 178);  
box-shadow:4px 4px 4px 4px rgb(0, 212,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5794, 50.3013, 50.1642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 212, 178) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 212,  
178) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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