

Converting Colors

XYZ(31.2064, 46.6717, 49.7773)

Have a look what the booklet for
XYZ(31.2064, 46.6717, 49.7773)
contains.

XYZ(31.1207, 46.4564, 49.9746)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.1207, 46.4564,
49.9746)**

Conversions

Conversions Part 1

Format	Color
Hex	3CCAB3
RGB	60, 202, 179
RGB Percent	24%, 79%, 70%
CMY	0.7647, 0.2078, 0.2980
CMYK	0.70, 0.00, 0.11, 0.21
HSL	170°, 57%, 51%
HSV	170°, 70%, 79%
XYZ	31.1207, 46.4564, 49.9746
YIQ	156.9200, -77.2490, -37.2570

Conversions

Conversions Part 2

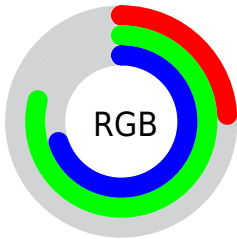
Format	Color
RYB	60, 137, 202
Decimal	3984051
CIELab	73.84, -42.62, 0.62
CIELCh	74, 42.629, 179.162
Yxy	46.4564, 0.2440, 0.3642
Android (android.graphics.Color)	4282174131 (0xFF3CCAB3)
YUV	156.9200, 10.8854, -84.9988
Hunter-Lab	68.1589, -37.7768, 4.2394

Details

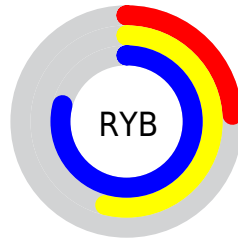
The XYZ color **31.1207, 46.4564, 49.9746** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **27.5359, 16.4141, 9.9023**, and the grayscale version is **31.9908, 33.6568, 36.6523**.

A 20% lighter version of the original color is **59.3596, 81.9538, 91.2873**, and **14.1996, 22.3738, 23.3088** is the 20% darker color. If you saturate the color by 10%, you get **29.7986, 45.8137, 48.2064**, and if you desaturate by 10%, it is **32.9189, 47.3458, 51.8081**.

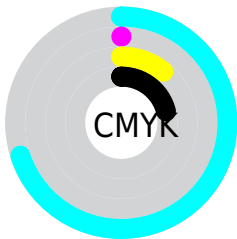
Distribution



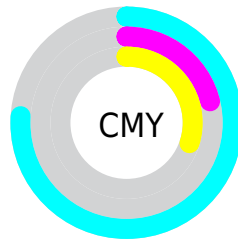
- Red (24%)
- Green (79%)
- Blue (70%)



- Red (24%)
- Yellow (54%)
- Blue (79%)



- Cyan (70%)
- Magenta (0%)
- Yellow (11%)
- Black (21%)



- Cyan (76%)
- Magenta (21%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1207, 46.4564, 49.9746 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 31.1207, 46.4564, 49.9746 by changing the saturation by 10% instead.

■ 31.1207, 46.4564,
49.9746

■ 31.1207, 46.4564,
49.9746

298.9110,
372.6405, 403.2988

■ 20.8431, 32.6061,
35.0222

■ 60.8046, 84.9016,
91.5332

■ 13.1211, 21.8249,
23.3963

■ 80.9416, 110.2654,
118.9764

■ 7.5896, 13.7283,
14.6783

■ 105.0957,
140.2357, 151.4203

■ 3.8831, 7.9319,
8.4498

■ 133.6323,
175.1971, 189.2834

■ 1.6362, 4.0514,
4.2922

■ 166.9168,
215.5339, 232.9843

■ 0.4158, 1.7024,
1.7870

205.3145,

■ 0.0000, 0.4252,

261.6304, 282.9414

0.4194

249.1908,
313.8712, 339.5734

■ 0.0000, 0.0000,
0.0000

■ 31.1207, 46.4564,
49.9746

■ 31.1207, 46.4564,
49.9746

■ 29.7986, 45.8137,
48.2064

■ 32.9189, 47.3458,
51.8081

■ 28.8922, 45.3834,
46.4974

■ 35.2367, 48.5011,
53.7062

■ 28.3092, 45.1177,
44.8912

■ 38.1172, 49.9455,
55.6722

■ 41.5977, 51.6983,
57.7080

■ 45.7123, 53.7771,
59.8157

■ 50.4928, 56.1982,
61.9969

■ 55.9685, 58.9767,
64.2532

■ 62.1671, 62.1270,
66.5862

■ 69.1148, 65.6625,
68.9975

Harmonies

Analogous

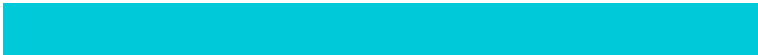
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.7809, 46.4564, 32.0531



31.1207, 46.4564, 49.9746



32.6063, 46.4564, 73.7841

Triad

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



31.1207, 46.4564, 49.9746



51.6490, 46.4564, 96.5188



52.0603, 46.4564, 22.5308

Complementary

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



31.1207, 46.4564, 49.9746



27.5359, 16.4141, 9.9023

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.



58.1527, 46.4564, 32.8401



31.1207, 46.4564, 49.9746



57.8968, 46.4564, 75.1536

Square

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



31.1207, 46.4564, 49.9746



43.9424, 46.4564, 104.8863



60.4000, 46.4564, 51.1966



44.3691, 46.4564, 19.2619

Rectangle

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



31.1207, 46.4564, 49.9746



35.2896, 46.4564, 89.2142



60.4000, 46.4564, 51.1966



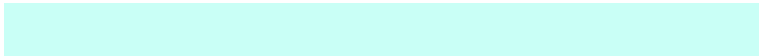
54.3941, 46.4564, 25.1093

Sweetspot

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



31.1220, 46.4582, 49.9757



76.6531, 90.6738, 100.9127



25.5640, 44.4387, 11.5061



15.9724, 19.1882, 21.3838



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.



31.1220, 46.4582, 49.9757



49.6248, 77.1707, 80.2001



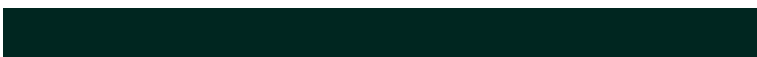
24.1916, 28.5587, 60.1165



11.4622, 12.6946, 13.9912



18.2437, 29.0428, 29.0323



0.9626, 1.5068, 1.6105

Inverse Universe

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



27.5359, 16.4141, 9.9023



43.3131, 23.3469, 8.9698



30.4669, 23.4695, 7.2002



11.2852, 11.2428, 12.0366



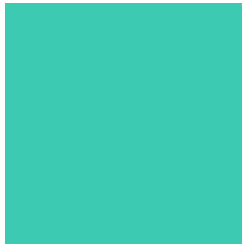
15.8696, 8.1584, 1.7661



0.8425, 0.4304, 0.2166

Previews

White Background



This preview shows how the XYZ color 31.1207, 46.4564, 49.9746 looks on a white background.

Color Contrast Check

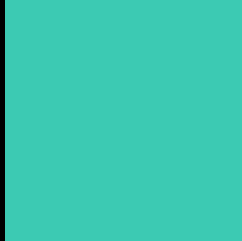
Large Text (above 18pt) WCAG AA × Fail

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 31.1207, 46.4564, 49.9746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

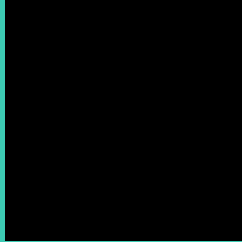
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

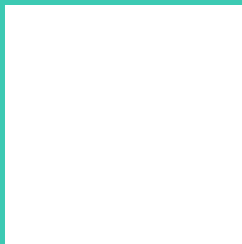
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1207, 46.4564, 49.9746

Background



This preview shows how black text looks on a background with the XYZ color 31.1207, 46.4564, 49.9746.

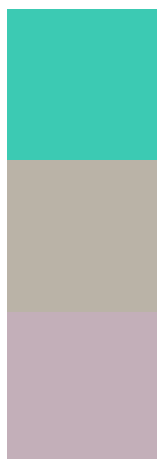


This preview shows how white text looks on a background with the XYZ color 31.1207, 46.4564,

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

31.1207, 46.4564, 49.9746

Protanopia

43.3449, 45.4693, 43.0512

Deuteranopia

46.5926, 45.7648, 52.2767



Tritanopia

35.1184, 46.3563, 70.0475

Trichromacy



Original Color

31.1207, 46.4564, 49.9746



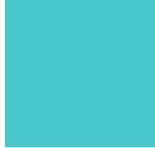
Protanomaly

35.9362, 44.0564, 45.1378



Deuteranomaly

37.7503, 44.2278, 51.3469



Tritanomaly

33.5646, 46.4035, 62.4461

Monochromacy



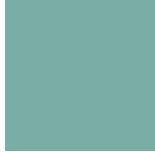
Original Color

31.1207, 46.4564, 49.9746



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

29.7611, 36.7413, 41.1205

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1207, 46.4564, 49.9746 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(60, 202, 179)` looks like.

```
.text, #text, p{  
    color:rgb(60, 202, 179)  
}
```

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(60, 202, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 202, 179) }
```

Border

The CSS property to change the border of an element to XYZ 31.1207, 46.4564, 49.9746 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(60, 202, 179) }
```


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

```
.border{ border-color:rgb(60, 202, 179) }
```

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

Here you see how a box with a 4 pixel rgb(60, 202, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 202, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 202, 179);  
box-shadow:4px 4px 4px 4px rgb(60, 202,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1207, 46.4564, 49.9746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 202, 179) }
```

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

```
.background{ background-color: rgb(60, 202,  
179) }
```

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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