

Converting Colors

XYZ(31.2510, 46.5710, 59.5303)

Have a look what the booklet for
XYZ(31.2510, 46.5710, 59.5303)
contains.

XYZ(31.3197, 46.6974, 59.5873)	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(31.3197, 46.6974,
59.5873)**

Conversions

Conversions Part 1

Format	Color
Hex	00CBC4
RGB	0, 203, 196
RGB Percent	0%, 80%, 77%
CMY	0.9999, 0.2039, 0.2314
CMYK	1.00, 0.00, 0.03, 0.20
HSL	178°, 100%, 40%
HSV	178°, 100%, 80%
XYZ	31.3197, 46.6974, 59.5873
YIQ	141.5050, -118.7410, -45.2130

Conversions

Conversions Part 2

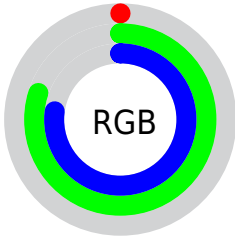
Format	Color
RYB	0, 103, 203
Decimal	52164
CIELab	74.00, -42.56, -8.43
CIELCh	74, 43.386, 191.199
Yxy	46.6974, 0.2276, 0.3394
Android (android.graphics.Color)	4278242244 (0xFF00CBC4)
YUV	141.5050, 26.8660, -124.0999
Hunter-Lab	68.3355, -37.7765, -3.8649

Details

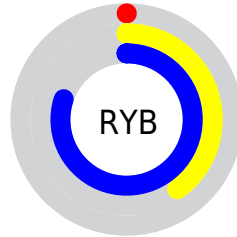
The XYZ color **31.3197, 46.6974, 59.5873** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **24.6684, 12.7132, 1.3559**, and the grayscale version is **25.4519, 26.7773, 29.1605**.

A 20% lighter version of the original color is **59.3153, 81.6151, 105.5556**, and **15.4724, 23.1328, 29.2408** is the 20% darker color. If you saturate the color by 10%, you get **31.3205, 46.6988, 59.5876**, and if you desaturate by 10%, it is **31.6960, 46.8832, 60.0231**.

Distribution



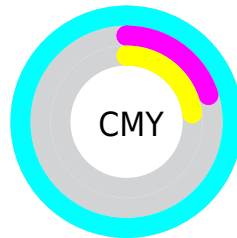
- Red (0%)
- Green (80%)
- Blue (77%)



- Red (0%)
- Yellow (40%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (20%)



- Cyan (100%)
- Magenta (20%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3197, 46.6974, 59.5873 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 31.3197, 46.6974, 59.5873 by changing the saturation by 10% instead.


 31.3197, 46.6974,
59.5873


 31.3197, 46.6974,
59.5873


299.8091,
373.6054, 440.8372


 20.9954, 32.7965,
42.6630

 61.1155, 85.2618,
105.7683


 13.2331, 21.9706,
29.2913


 81.3177, 110.6940,
135.8620


 7.6674, 13.8353,
19.0538

 105.5433,
140.7388, 171.1825

 3.9329, 8.0062,
11.5320

 134.1576,
175.7806, 212.1485

 1.6642, 4.0989,
6.3072

 167.5260,
216.2038, 259.1784

 0.4337, 1.7290,
2.9610

206.0138,

 0.0000, 0.4424,

262.3927, 312.6908

1.0747

249.9864,
314.7318, 373.1042

■ 0.0000, 0.0000,
0.0000

■ 31.3197, 46.6974,
59.5873

■ 31.3197, 46.6974,
59.5873

■ 31.3205, 46.6988,
59.5876

■ 31.6960, 46.8832,
60.0231

■ 32.3809, 47.2270,
60.4742

■ 33.4822, 47.7854,
60.9468

■ 35.0564, 48.5876,
61.4434

■ 37.1514, 49.6582,
61.9664

■ 39.8091, 51.0188,
62.5176

■ 43.0673, 52.6890,
63.0989

■ 46.9604, 54.6864,
63.7119

■ 51.5202, 57.0275,
64.3581

Harmonies

Analogous

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



31.7265, 46.6974, 38.3014



31.3197, 46.6974, 59.5873



34.0955, 46.6974, 84.4308

Triad

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



31.3197, 46.6974, 59.5873



54.9343, 46.6974, 90.1625



49.3591, 46.6974, 20.2142

Complementary

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



31.3197, 46.6974, 59.5873



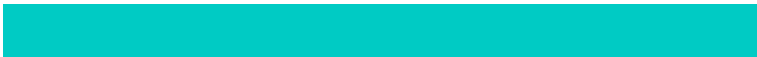
24.6684, 12.7132, 1.3559

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.



56.5595, 46.6974, 27.6085



31.3197, 46.6974, 59.5873



60.0278, 46.6974, 65.8670

Square

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



31.3197, 46.6974, 59.5873



47.3402, 46.6974, 105.2098



60.6549, 46.6974, 43.0035



41.5544, 46.6974, 19.4332

Rectangle

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



31.3197, 46.6974, 59.5873



37.5894, 46.6974, 98.1267



60.6549, 46.6974, 43.0035



51.9528, 46.6974, 21.8802

Sweetspot

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



31.3211, 46.6991, 59.5884



71.8630, 88.0954, 105.6122



21.4844, 42.7791, 7.1259



14.8596, 18.5884, 22.5152



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.



31.3211, 46.6991, 59.5884



52.4258, 78.1863, 99.6808



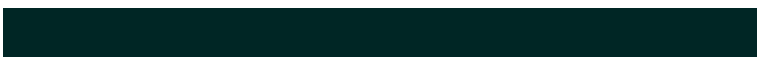
16.5380, 15.8276, 58.6852



11.5259, 12.7201, 14.3268



19.9388, 29.7208, 37.9583



1.0340, 1.5354, 1.9864

Inverse Universe

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



24.6684, 12.7132, 1.3559



41.2882, 21.2793, 2.1838



28.4026, 20.2430, 2.4114



11.2277, 11.2198, 11.7339



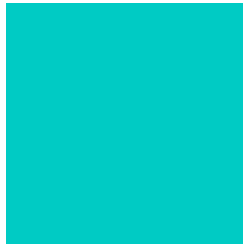
15.7048, 8.0925, 0.8985



0.8158, 0.4197, 0.0759

Previews

White Background



This preview shows how the XYZ color 31.3197, 46.6974, 59.5873 looks on a white background.

Color Contrast Check

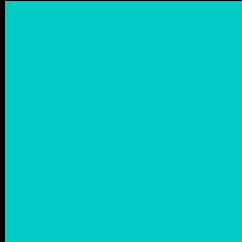
Large Text (above 18pt) WCAG AA × Fail

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 31.3197, 46.6974, 59.5873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

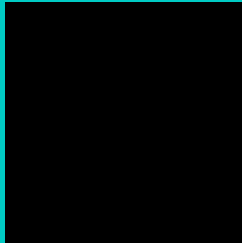
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

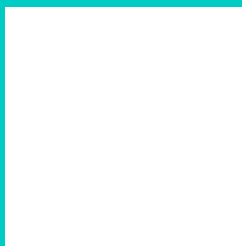
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3197, 46.6974, 59.5873

Background



This preview shows how black text looks on a background with the XYZ color 31.3197, 46.6974, 59.5873.

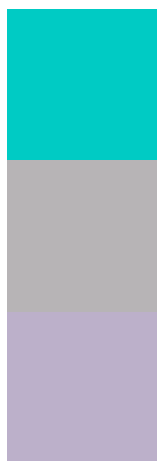


This preview shows how white text looks on a background with the XYZ color 31.3197, 46.6974,

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

31.3197, 46.6974, 59.5873

Protanopia

44.2932, 46.0872, 50.8172

Deuteranopia

46.9250, 46.0063, 62.2840



Tritanopia

34.0452, 46.7800, 72.2008

Trichromacy



Original Color

31.3197, 46.6974, 59.5873



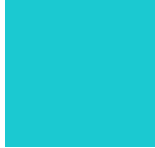
Protanomaly

34.1553, 43.2673, 53.5650



Deuteranomaly

35.7300, 43.2810, 61.1145



Tritanomaly

32.8473, 46.6097, 67.5870

Monochromacy



Original Color

31.3197, 46.6974, 59.5873



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

24.0135, 31.3332, 38.9647

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3197, 46.6974, 59.5873 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, 203, 196)` looks like.

```
.text, #text, p{  
    color:rgb(0, 203, 196)  
}
```

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, 203, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 203, 196) }
```

Border

The CSS property to change the border of an element to XYZ 31.3197, 46.6974, 59.5873 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, 203, 196) }
```


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

```
.border{ border-color:rgb(0, 203, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 203, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 203, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 203, 196);  
box-shadow:4px 4px 4px 4px rgb(0, 203,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3197, 46.6974, 59.5873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 203, 196) }
```

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

```
.background{ background-color: rgb(0, 203,  
196) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor