

Converting Colors

XYZ(31.6951, 47.4911, 59.3342)

Have a look what the booklet for
XYZ(31.6951, 47.4911, 59.3342)
contains.

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Color

**XYZ(31.7317, 47.6286,
59.1506)**

Conversions

Conversions Part 1

Format	Color
Hex	04CDC3
RGB	4, 205, 195
RGB Percent	2%, 80%, 76%
CMY	0.9842, 0.1961, 0.2353
CMYK	0.98, 0.00, 0.05, 0.20
HSL	177°, 96%, 41%
HSV	177°, 98%, 80%
XYZ	31.7317, 47.6286, 59.1506
YIQ	143.7610, -116.5860, -45.7220

Conversions

Conversions Part 2

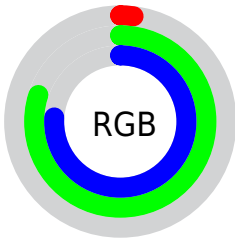
Format	Color
RYB	4, 107, 205
Decimal	314819
CIELab	74.59, -43.61, -7.00
CIELCh	75, 44.172, 189.120
Yxy	47.6286, 0.2291, 0.3439
Android (android.graphics.Color)	4278504899 (0xFF04CDC3)
YUV	143.7610, 25.2608, -122.5704
Hunter-Lab	69.0135, -38.7011, -2.5073

Details

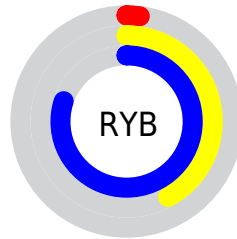
The XYZ color **31.7317, 47.6286, 59.1506** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **25.3011, 13.0991, 1.6117**, and the grayscale version is **26.3536, 27.7260, 30.1936**.

A 20% lighter version of the original color is **59.1164, 81.5492, 103.8916**, and **15.7141, 23.7358, 28.9525** is the 20% darker color. If you saturate the color by 10%, you get **31.6598, 47.5952, 59.0298**, and if you desaturate by 10%, it is **32.1880, 47.8515, 59.7773**.

Distribution



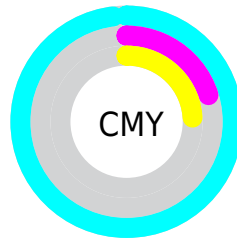
- Red (2%)
- Green (80%)
- Blue (76%)



- Red (2%)
- Yellow (42%)
- Blue (80%)



- Cyan (98%)
- Magenta (0%)
- Yellow (5%)
- Black (20%)




- Cyan (98%)
- Magenta (20%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.7317, 47.6286, 59.1506 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 31.7317, 47.6286, 59.1506 by changing the saturation by 10% instead.

 31.7317, 47.6286,
59.1506


 31.7317, 47.6286,
59.1506


301.6623,
377.3181, 439.1772


 21.3112, 33.5329,
42.3136


 61.7583, 86.6512,
105.1278


 13.4654, 22.5350,
29.0195


 82.0951, 112.3468,
135.1050


 7.8290, 14.2505,
18.8499


 106.4680,
142.6778, 170.2994

 4.0366, 8.2951,
11.3861

 135.2424,
178.0287, 211.1294

 1.7229, 4.2844,
6.2098

 168.7837,
218.7837, 258.0137

 0.4705, 1.8339,
2.9022

207.4572,

 0.0000, 0.5081,

265.3274, 311.3707

1.0449

251.6283,
318.0440, 371.6190

■ 0.0000, 0.0000,
0.0000

■ 31.7317, 47.6286,
59.1506

■ 31.7317, 47.6286,
59.1506

■ 31.6598, 47.5952,
59.0298

■ 32.1880, 47.8515,
59.7773

■ 32.9988, 48.2560,
60.4237

■ 34.2481, 48.8865,
61.0947

■ 35.9919, 49.7718,
61.7930

■ 38.2776, 50.9364,
62.5209

■ 41.1475, 52.4021,
63.2802

■ 44.6395, 54.1883,
64.0728

■ 48.7882, 56.3130,
64.9003

■ 53.6258, 58.7928,
65.7642

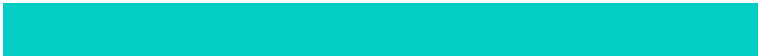
Harmonies

Analogous

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



32.3789, 47.6286, 37.7051



31.7317, 47.6286, 59.1506



34.3658, 47.6286, 84.8688

Triad

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



31.7317, 47.6286, 59.1506



55.6713, 47.6286, 94.0330



50.9690, 47.6286, 20.6557

Complementary

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



31.7317, 47.6286, 59.1506



25.3011, 13.0991, 1.6117

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.



58.2655, 47.6286, 28.7573



31.7317, 47.6286, 59.1506



61.1945, 47.6286, 69.1753

Square

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



31.7317, 47.6286, 59.1506



47.7486, 47.6286, 108.5626



62.1960, 47.6286, 45.1935



42.8779, 47.6286, 19.4181

Rectangle

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



31.7317, 47.6286, 59.1506



37.8334, 47.6286, 99.5287



62.1960, 47.6286, 45.1935



53.6213, 47.6286, 22.5215

Sweetspot

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



31.7331, 47.6304, 59.1517



72.2908, 88.3350, 104.7714



22.0366, 43.7670, 7.4024



14.9299, 18.6294, 22.3046



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.



31.7331, 47.6304, 59.1517



51.8335, 77.9494, 96.5619



17.1521, 16.5974, 60.0592



11.5182, 12.7170, 14.2863



19.7195, 29.6331, 36.8034



1.0249, 1.5318, 1.9386

Inverse Universe

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



25.3011, 13.0991, 1.6117



41.3107, 21.2883, 2.3021



29.2447, 21.0781, 2.6431



11.2346, 11.2226, 11.7699



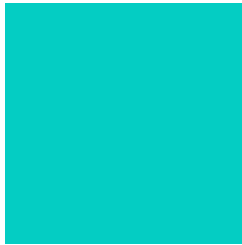
15.7187, 8.0981, 0.9715



0.8190, 0.4210, 0.0928

Previews

White Background



This preview shows how the XYZ color 31.7317, 47.6286, 59.1506 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 31.7317, 47.6286, 59.1506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

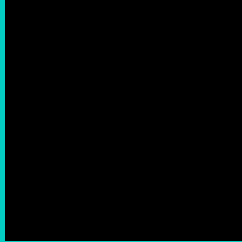
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

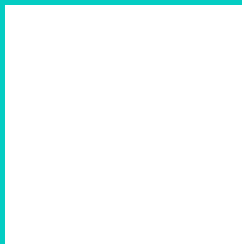
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.7317, 47.6286, 59.1506

Background



This preview shows how black text looks on a background with the XYZ color 31.7317, 47.6286, 59.1506.

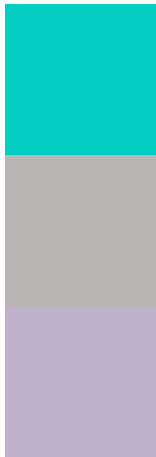


This preview shows how white text looks on a background with the XYZ color 31.7317, 47.6286,

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

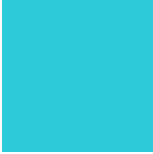
31.7317, 47.6286, 59.1506

Protanopia

44.8719, 46.6982, 50.3647

Deuteranopia

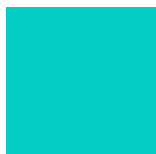
47.7506, 46.7377, 61.7629



Tritanopia

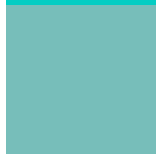
34.8576, 47.8609, 73.7306

Trichromacy



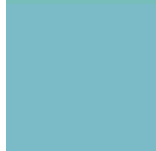
Original Color

31.7317, 47.6286, 59.1506



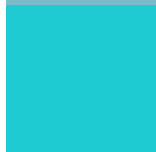
Protanomaly

34.8841, 44.2940, 53.1654



Deuteranomaly

36.2475, 43.8751, 60.5911



Tritanomaly

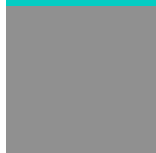
33.5242, 47.6410, 68.4015

Monochromacy



Original Color

31.7317, 47.6286, 59.1506



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

24.7613, 32.2439, 39.5690

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7317, 47.6286, 59.1506 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(4, 205, 195)` looks like.

```
.text, #text, p{  
    color:rgb(4, 205, 195)  
}
```

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(4, 205, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 205, 195) }
```

Border

The CSS property to change the border of an element to XYZ 31.7317, 47.6286, 59.1506 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(4, 205, 195) }
```


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

```
.border{ border-color:rgb(4, 205, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 205, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 205, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 205, 195);  
box-shadow:4px 4px 4px 4px rgb(4, 205,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7317, 47.6286, 59.1506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 205, 195) }
```

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

```
.background{ background-color: rgb(4, 205,  
195) }
```

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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