

Converting Colors

XYZ(31.8576, 46.7039, 62.7316)

Have a look what the booklet for
XYZ(31.8576, 46.7039, 62.7316)
contains.

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Color

**XYZ(31.7257, 46.4904,
62.5598)**

Conversions

Conversions Part 1

Format	Color
Hex	05CAC9
RGB	5, 202, 201
RGB Percent	2%, 79%, 79%
CMY	0.9802, 0.2078, 0.2118
CMYK	0.98, 0.00, 0.00, 0.21
HSL	180°, 95%, 41%
HSV	180°, 98%, 79%
XYZ	31.7257, 46.4904, 62.5598
YIQ	142.9830, -117.0910, -42.0750

Conversions

Conversions Part 2

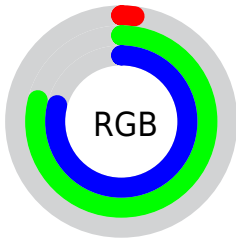
Format	Color
R _{YB}	5, 104, 202
Decimal	379593
CIE Lab	73.86, -40.50, -11.33
CIE LCh	74, 42.056, 195.632
Yxy	46.4904, 0.2254, 0.3302
Android (android.graphics.Color)	4278569673 (0xFF05CAC9)
YUV	142.9830, 28.6024, -121.0111
Hunter-Lab	68.1839, -36.2664, -6.6708

Details

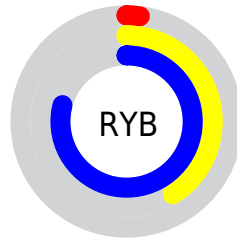
The XYZ color **31.7257, 46.4904, 62.5598** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **24.4457, 12.6796, 1.3324**, and the grayscale version is **26.0298, 27.3854, 29.8227**.

A 20% lighter version of the original color is **59.8734, 81.8658, 107.2538**, and **15.7002, 22.9740, 31.2107** is the 20% darker color. If you saturate the color by 10%, you get **31.6610, 46.4584, 62.5421**, and if you desaturate by 10%, it is **32.0830, 46.6742, 62.6407**.

Distribution



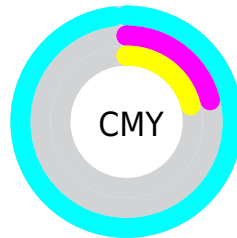
- Red (2%)
- Green (79%)
- Blue (79%)



- Red (2%)
- Yellow (41%)
- Blue (79%)



- Cyan (98%)
- Magenta (0%)
- Yellow (0%)
- Black (21%)





- Cyan (98%)
- Magenta (21%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.7257, 46.4904, 62.5598 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 31.7257, 46.4904, 62.5598 by changing the saturation by 10% instead.


 31.7257, 46.4904,
62.5598


 31.7257, 46.4904,
62.5598


301.6354,
372.7767, 452.0340


 21.3066, 32.6330,
45.0465


 61.7489, 84.9524,
110.1136


 13.4620, 21.8454,
31.1508


 82.0838, 110.3259,
140.9912


 7.8267, 13.7434,
20.4543


 106.4546,
140.3067, 177.1606

 4.0351, 7.9424,
12.5384

 135.2267,
175.2795, 219.0404

 1.7220, 4.0581,
6.9845

 168.7655,
215.6284, 267.0491

 0.4700, 1.7061,
3.3741

207.4363,

 0.0000, 0.4276,

261.7380, 321.6052

1.2887

251.6044,
313.9927, 383.1274

■ 0.0000, 0.0000,
0.0525

■ 0.0000, 0.0000,
0.0000

■ 31.7257, 46.4904,
62.5598

■ 31.7257, 46.4904,
62.5598

■ 31.6610, 46.4584,
62.5421

■ 32.0830, 46.6742,
62.6407

■ 32.7899, 47.0372,
62.7369

■ 33.9229, 47.6199,
62.8531

■ 35.5355, 48.4498,
62.9918

■ 37.6732, 49.5505,
63.1552

■ 40.3764, 50.9426,
63.3450

■ 43.6815, 52.6450,
63.5630

■ 47.6217, 54.6749,
63.8108

■ 52.2279, 57.0481,
64.0898

Harmonies

Analogous

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



31.6598, 46.4904, 41.0648



31.7257, 46.4904, 62.5598



34.8679, 46.4904, 86.1754

Triad

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



31.7257, 46.4904, 62.5598



55.2962, 46.4904, 85.2617



47.8564, 46.4904, 20.2681

Complementary

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



31.7257, 46.4904, 62.5598



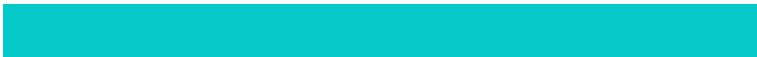
24.4457, 12.6796, 1.3324

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.



55.0358, 46.4904, 26.5008



31.7257, 46.4904, 62.5598



59.6487, 46.4904, 61.5534

Square

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



31.7257, 46.4904, 62.5598



48.1807, 46.4904, 101.5972



59.5483, 46.4904, 40.3053



40.4217, 46.4904, 20.3963

Rectangle

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



31.7257, 46.4904, 62.5598



38.5113, 46.4904, 98.2185



59.5483, 46.4904, 40.3053



50.3963, 46.4904, 21.5904

Sweetspot

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



31.7271, 46.4921, 62.5609



72.8173, 88.5456, 107.5438



21.2530, 42.3072, 7.1907



15.0590, 18.6810, 22.9842



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.



31.7271, 46.4921, 62.5609



53.6019, 78.6568, 105.8741



15.9614, 14.7714, 57.8889



11.5407, 12.7260, 14.4050



20.3739, 29.8949, 40.2495



1.0519, 1.5426, 2.0807

Inverse Universe

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



24.4457, 12.6796, 1.3324



41.2471, 21.2628, 1.9674



28.9656, 21.7281, 2.8120



11.2146, 11.2146, 11.6649



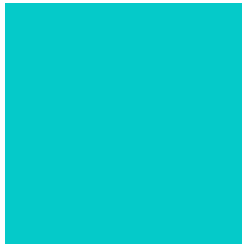
15.6781, 8.0818, 0.7578



0.8096, 0.4173, 0.0435

Previews

White Background



This preview shows how the XYZ color 31.7257, 46.4904, 62.5598 looks on a white background.

Color Contrast Check

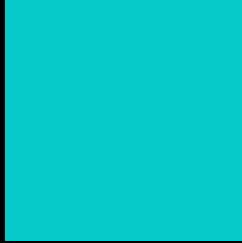
Large Text (above 18pt) WCAG AA × Fail

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 31.7257, 46.4904, 62.5598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

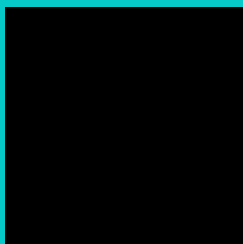
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

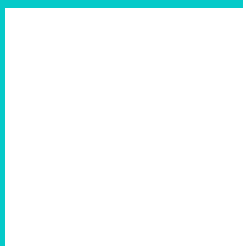
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.7257, 46.4904, 62.5598

Background



This preview shows how black text looks on a background with the XYZ color 31.7257, 46.4904, 62.5598.

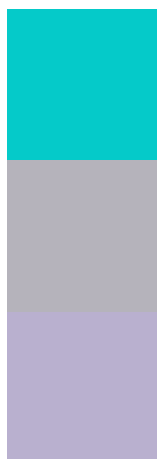


This preview shows how white text looks on a background with the XYZ color 31.7257, 46.4904,

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

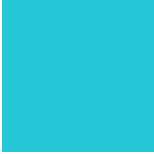
31.7257, 46.4904, 62.5598

Protanopia

44.1458, 45.6518, 53.4987

Deuteranopia

46.7954, 45.8699, 65.4189



Tritanopia

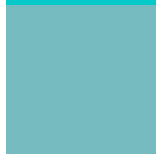
33.8483, 46.6785, 72.1916

Trichromacy



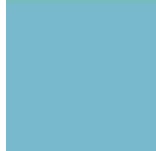
Original Color

31.7257, 46.4904, 62.5598



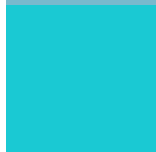
Protanomaly

34.6209, 43.1283, 56.3691



Deuteranomaly

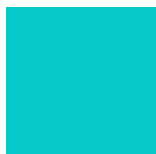
36.1141, 43.0988, 64.1731



Tritanomaly

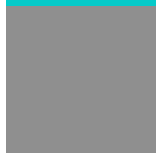
33.0705, 46.6960, 68.8983

Monochromacy



Original Color

31.7257, 46.4904, 62.5598



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

24.4905, 31.5584, 39.9226

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7257, 46.4904, 62.5598 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(5, 202, 201)` looks like.

```
.text, #text, p{  
    color:rgb(5, 202, 201)  
}
```

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(5, 202, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 202, 201) }
```

Border

The CSS property to change the border of an element to XYZ 31.7257, 46.4904, 62.5598 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(5, 202, 201) }
```


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

```
.border{ border-color:rgb(5, 202, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 202, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 202, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 202, 201);  
box-shadow:4px 4px 4px 4px rgb(5, 202,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7257, 46.4904, 62.5598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 202, 201) }
```

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

```
.background{ background-color: rgb(5, 202,  
201) }
```

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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