

Converting Colors

XYZ(31.5226, 38.5837, 50.6504)

Have a look what the booklet for
XYZ(31.5226, 38.5837, 50.6504)
contains.

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Color

**XYZ(31.4718, 38.5762,
50.5870)**

Conversions

Conversions Part 1

Format	Color
Hex	74B1B7
RGB	116, 177, 183
RGB Percent	45%, 69%, 72%
CMY	0.5451, 0.3059, 0.2823
CMYK	0.37, 0.03, 0.00, 0.28
HSL	185°, 32%, 59%
HSV	185°, 37%, 72%
XYZ	31.4718, 38.5762, 50.5870
YIQ	159.4450, -38.2820, -11.0660

Conversions

Conversions Part 2

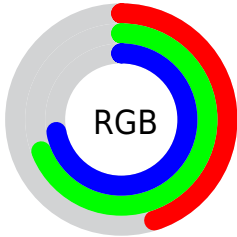
Format	Color
R_{YB}	116, 148, 183
Decimal	7647671
CIE _{Lab}	68.44, -18.07, -9.31
CIE _{LCh}	68, 20.326, 207.261
Yxy	38.5762, 0.2609, 0.3198
Android (android.graphics.Color)	4285837751 (0xFF74B1B7)
YUV	159.4450, 11.6126, -38.1013
Hunter-Lab	62.1097, -18.2438, -4.8136

Details

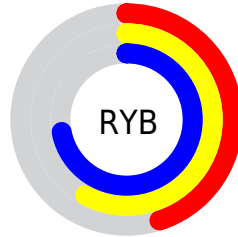
The XYZ color **31.4718, 38.5762, 50.5870** is a light color, and the websafe version is hex **669999**. A complement of this color would be **29.6408, 25.2476, 19.8347**, and the grayscale version is **33.1203, 34.8451, 37.9464**.

A 20% lighter version of the original color is **61.5135, 73.1677, 92.5420**, and **13.2868, 17.0838, 23.7163** is the 20% darker color. If you saturate the color by 10%, you get **28.9534, 36.8013, 50.3778**, and if you desaturate by 10%, it is **34.4755, 40.6089, 50.8217**.

Distribution



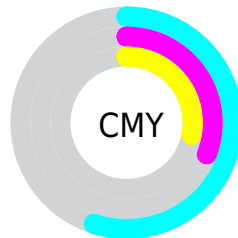
- Red (45%)
- Green (69%)
- Blue (72%)



- Red (45%)
- Yellow (58%)
- Blue (72%)



- Cyan (37%)
- Magenta (3%)
- Yellow (0%)
- Black (28%)



- Cyan (55%)
- Magenta (31%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4718, 38.5762, 50.5870 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 31.4718, 38.5762, 50.5870 by changing the saturation by 10% instead.

■ 31.4718, 38.5762,
50.5870

■ 31.4718, 38.5762,
50.5870

300.4943,
340.0853, 405.7577

■ 21.1120, 26.4302,
35.5056

■ 61.3529, 72.9904,
92.4492

■ 13.3188, 17.1458,
23.7659

■ 81.6049, 96.0275,
120.0671

■ 7.7269, 10.3385,
14.9495

■ 105.8850,
123.4636, 152.7010

■ 3.9711, 5.6239,
8.6377

134.5585,
155.6833, 190.7692

■ 1.6858, 2.6178,
4.4121

167.9909,
193.0710, 234.6905

■ 0.4473, 0.9356,
1.8540

206.5474,

■ 0.0000, 0.0000,

236.0109, 284.8833

0.4632

250.5934,
284.8875, 341.7662

■ 0.0000, 0.0000,
0.0000

■ 31.4718, 38.5762,
50.5870

■ 31.4718, 38.5762,
50.5870

■ 28.9534, 36.8013,
50.3778

■ 34.4755, 40.6089,
50.8217

■ 26.8887, 35.2652,
50.1901

■ 37.9872, 42.9083,
51.0804

■ 25.2475, 33.9530,
50.0234

■ 42.0320, 45.4884,
51.3653

■ 23.9946, 32.8468,
49.8759

■ 46.6325, 48.3607,
51.6772

■ 23.0891, 31.9254,
49.7457

■ 51.8100, 51.5364,
52.0173

■ 22.4756, 31.1601,
49.6304

■ 57.5846, 55.0257,
52.3864

■ 22.2963, 30.9168,
49.5929

■ 63.9755, 58.8387,
52.7856

■ 68.2246, 61.5534,
53.0856

■ 68.5817, 62.2676,
53.2046

Harmonies

Analogous

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



30.8659, 38.5762, 41.1679



31.4718, 38.5762, 50.5870



33.4429, 38.5762, 58.6058

Triad

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



31.4718, 38.5762, 50.5870



42.0788, 38.5762, 52.2532



36.9598, 38.5762, 26.7677

Complementary

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



31.4718, 38.5762, 50.5870



29.6408, 25.2476, 19.8347

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.



40.0888, 38.5762, 28.8753



31.4718, 38.5762, 50.5870



43.1496, 38.5762, 42.8492

Square

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



31.4718, 38.5762, 50.5870



39.5517, 38.5762, 59.6617



42.4013, 38.5762, 34.4494



33.9233, 38.5762, 28.2255

Rectangle

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



31.4718, 38.5762, 50.5870



35.3276, 38.5762, 61.6043



42.4013, 38.5762, 34.4494



38.0368, 38.5762, 27.0746

Sweetspot

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



31.4730, 38.5777, 50.5879



71.8455, 79.2920, 91.7540



27.6237, 38.9756, 24.3451



15.6535, 17.3760, 20.2505



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



31.4730, 38.5777, 50.5879



52.6407, 66.4754, 90.2923



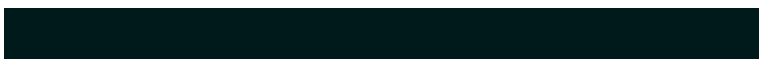
25.7111, 27.0540, 48.6673



9.1961, 10.0694, 11.5383



15.5800, 21.6196, 34.6049



0.5695, 0.8026, 1.2267

Inverse Universe

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



33.7106, 25.7332, 44.7870



57.3129, 40.3426, 78.0258



34.4168, 34.7995, 21.4267



9.3453, 9.1485, 11.1659



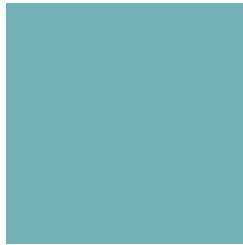
18.4777, 8.9648, 26.2002



0.6616, 0.3201, 0.9774

Previews

White Background



This preview shows how the XYZ color 31.4718, 38.5762, 50.5870 looks on a white background.

Color Contrast Check

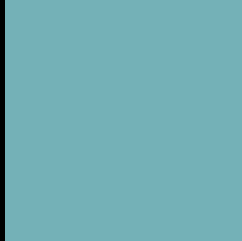
Large Text (above 18pt) WCAG AA × Fail

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 31.4718, 38.5762, 50.5870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

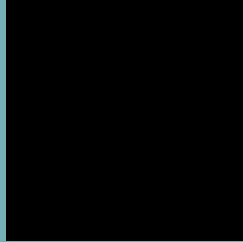
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.4718, 38.5762, 50.5870

Background



This preview shows how black text looks on a background with the XYZ color 31.4718, 38.5762, 50.5870.

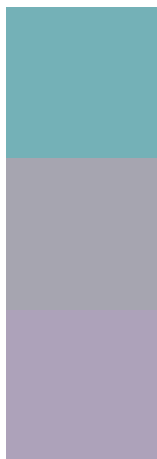


This preview shows how white text looks on a background with the XYZ color 31.4718, 38.5762,

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

31.4718, 38.5762, 50.5870

Protanopia

37.0175, 38.1518, 46.4873

Deuteranopia

39.0168, 38.2701, 51.7848



Tritanopia

32.2908, 38.6199, 54.4677

Trichromacy



Original Color

31.4718, 38.5762, 50.5870

Protanomaly

34.5374, 37.9265, 48.1481

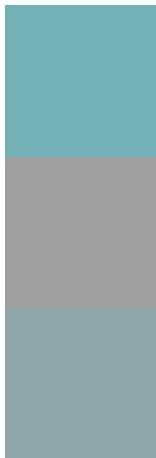
Deuteranomaly

35.5246, 37.8156, 51.3257

Tritanomaly

31.8311, 38.4204, 52.7519

Monochromacy



Original Color

31.4718, 38.5762, 50.5870

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.0318, 35.9392, 42.2945

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4718, 38.5762, 50.5870 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(116, 177, 183)` looks like.

```
.text, #text, p{  
    color:rgb(116, 177, 183)  
}
```

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(116, 177, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 177, 183) }
```

Border

The CSS property to change the border of an element to XYZ 31.4718, 38.5762, 50.5870 is called "border". The border property can be set on classes, ids or directly on the HTML element.

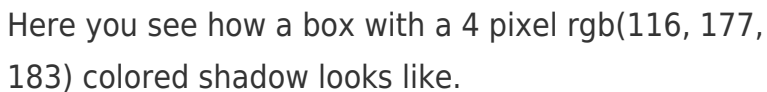
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 177, 183) }
```


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

```
.border{ border-color:rgb(116, 177, 183) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 177, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 177, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 177, 183);  
box-shadow:4px 4px 4px 4px rgb(116, 177,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4718, 38.5762, 50.5870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 177, 183) }
```

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

```
.background{ background-color: rgb(116,  
177, 183) }
```

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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