

Converting Colors

XYZ(31.7707, 42.4791, 58.1561)

Have a look what the booklet for
XYZ(31.7707, 42.4791, 58.1561)
contains.

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Color

**XYZ(31.8311, 42.6060,
58.1759)**

Conversions

Conversions Part 1

Format	Color
Hex	53BEC3
RGB	83, 190, 195
RGB Percent	33%, 75%, 76%
CMY	0.6745, 0.2549, 0.2353
CMYK	0.57, 0.03, 0.00, 0.24
HSL	183°, 48%, 55%
HSV	183°, 57%, 76%
XYZ	31.8311, 42.6060, 58.1759
YIQ	158.5770, -65.3770, -21.1290

Conversions

Conversions Part 2

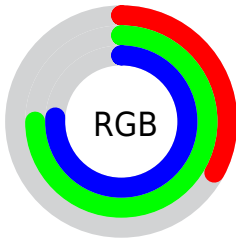
Format	Color
RYB	83, 138, 195
Decimal	5488323
CIELab	71.29, -29.01, -11.80
CIELCh	71, 31.320, 202.124
Yxy	42.6060, 0.2400, 0.3213
Android (android.graphics.Color)	4283678403 (0xFF53BEC3)
YUV	158.5770, 17.9565, -66.2810
Hunter-Lab	65.2733, -27.1811, -7.1519

Details

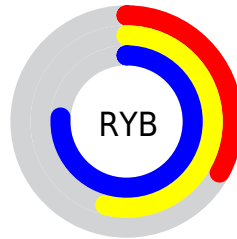
The XYZ color **31.8311, 42.6060, 58.1759** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **27.5577, 19.2072, 10.4398**, and the grayscale version is **32.7051, 34.4083, 37.4706**.

A 20% lighter version of the original color is **62.1591, 79.3894, 104.1430**, and **13.6119, 19.5314, 28.2518** is the 20% darker color. If you saturate the color by 10%, you get **30.1590, 41.4659, 58.0447**, and if you desaturate by 10%, it is **33.9907, 44.0010, 58.3321**.

Distribution



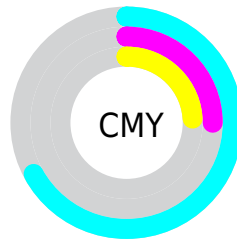
- Red (33%)
- Green (75%)
- Blue (76%)



- Red (33%)
- Yellow (54%)
- Blue (76%)



- Cyan (57%)
- Magenta (3%)
- Yellow (0%)
- Black (24%)



- Cyan (67%)
- Magenta (25%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8311, 42.6060, 58.1759 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 31.8311, 42.6060, 58.1759 by changing the saturation by 10% instead.

■ 31.8311, 42.6060,
58.1759

■ 31.8311, 42.6060,
58.1759

302.1081,
356.9889, 435.4576

■ 21.3874, 29.5761,
41.5344

■ 61.9132, 79.1160,
103.6963

■ 13.5216, 19.5171,
28.4141

■ 82.2823, 103.3648,
133.4123

■ 7.8681, 12.0445,
18.3963

■ 106.6907,
132.1221, 168.3235

■ 4.0618, 6.7740,
11.0625

■ 135.5036,
165.7722, 208.8486

■ 1.7371, 3.3212,
5.9942

169.0865,
204.6996, 255.4060

■ 0.4794, 1.3016,
2.7728

207.8046,

■ 0.0000, 0.1424,

249.2885, 308.4142

0.9798

252.0234,
299.9235, 368.2919

■ 0.0000, 0.0000,
0.0000

■ 31.8311, 42.6060,
58.1759

■ 31.8311, 42.6060,
58.1759

■ 30.1590, 41.4659,
58.0447

■ 33.9907, 44.0010,
58.3321

■ 28.9287, 40.5544,
57.9336

■ 36.6708, 45.6650,
58.5120

■ 28.0929, 39.8478,
57.8413

■ 39.9061, 47.6168,
58.7183

■ 27.5821, 39.3105,
57.7645

■ 43.7270, 49.8723,
58.9522

■ 27.4723, 39.1837,
57.7458

■ 48.1619, 52.4460,
59.2152

■ 53.2373, 55.3516,
59.5086

■ 58.9782, 58.6018,
59.8334

■ 65.4080, 62.2090,
60.1907

■ 71.2470, 65.5133,
60.5208

Harmonies

Analogous

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



31.2813, 42.6060, 42.5340



31.8311, 42.6060, 58.1759



34.5987, 42.6060, 73.2138

Triad

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



31.8311, 42.6060, 58.1759



49.0145, 42.6060, 66.5416



41.8974, 42.6060, 23.2086

Complementary

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



31.8311, 42.6060, 58.1759



27.5577, 19.2072, 10.4398

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.



47.0275, 42.6060, 27.0787



31.8311, 42.6060, 58.1759



51.3622, 42.6060, 50.4737

Square

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



31.8311, 42.6060, 58.1759



44.4251, 42.6060, 78.7264



50.6053, 42.6060, 36.3154



36.8051, 42.6060, 24.4002

Rectangle

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



31.8311, 42.6060, 58.1759



37.4701, 42.6060, 79.7758



50.6053, 42.6060, 36.3154



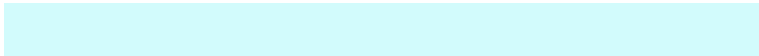
43.6800, 42.6060, 23.9249

Sweetspot

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



31.8324, 42.6076, 58.1769



78.4398, 89.3940, 105.5903



24.7929, 41.5540, 15.6751



16.8501, 19.3846, 23.1035



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.



31.8324, 42.6076, 58.1769



53.3596, 73.7962, 103.9015



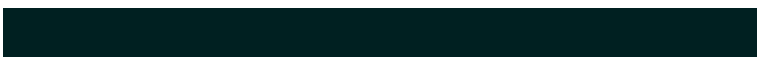
22.1201, 23.1831, 54.9395



10.3288, 11.3489, 12.9310



17.8721, 25.5008, 37.5368



0.7843, 1.1260, 1.6259

Inverse Universe

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



34.8943, 21.5076, 51.0291



59.4829, 32.8381, 89.3301



33.8506, 31.7930, 12.5374



10.4773, 10.2395, 12.6037



20.4170, 9.8566, 31.1716



0.8883, 0.4283, 1.3790

Previews

White Background



This preview shows how the XYZ color 31.8311, 42.6060, 58.1759 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 31.8311, 42.6060, 58.1759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

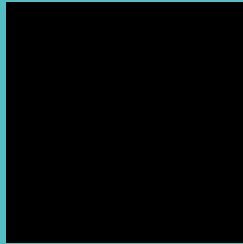
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

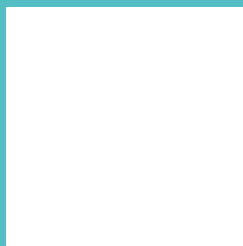
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.8311, 42.6060, 58.1759

Background



This preview shows how black text looks on a background with the XYZ color 31.8311, 42.6060, 58.1759.

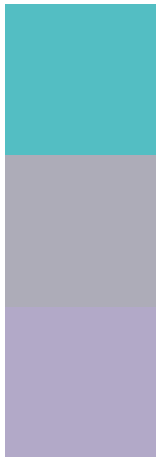


This preview shows how white text looks on a background with the XYZ color 31.8311, 42.6060,

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

31.8311, 42.6060, 58.1759

Protanopia

40.6378, 41.8500, 51.2834

Deuteranopia

42.9734, 42.0110, 60.4876



Tritanopia

33.0272, 42.7811, 63.6436

Trichromacy



Original Color

31.8311, 42.6060, 58.1759

Protanomaly

36.0124, 41.4465, 53.6789

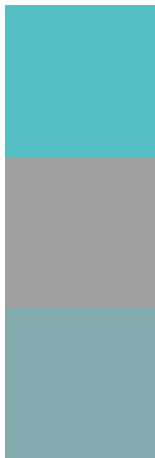
Deuteranomaly

37.2429, 41.3611, 59.4467

Tritanomaly

32.5780, 42.5907, 61.7621

Monochromacy



Original Color

31.8311, 42.6060, 58.1759

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

31.1812, 36.5533, 44.4418

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8311, 42.6060, 58.1759 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(83, 190, 195)` looks like.

```
.text, #text, p{  
    color:rgb(83, 190, 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(83, 190, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 190, 195) }
```

Border

The CSS property to change the border of an element to XYZ 31.8311, 42.6060, 58.1759 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(83, 190, 195) }
```


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

```
.border{ border-color:rgb(83, 190, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 190, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 190, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 190, 195);  
box-shadow:4px 4px 4px 4px rgb(83, 190,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8311, 42.6060, 58.1759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 190, 195) }
```

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

```
.background{ background-color: rgb(83, 190,  
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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