

Converting Colors

XYZ(31.5548, 38.1595, 71.3480)

Have a look what the booklet for
XYZ(31.5548, 38.1595, 71.3480)
contains.

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Color

**XYZ(31.5548, 38.1595,
71.3480)**

Conversions

Conversions Part 1

Format	Color
Hex	50B1D9
RGB	80, 177, 217
RGB Percent	31%, 69%, 85%
CMY	0.6862, 0.3059, 0.1490
CMYK	0.63, 0.18, 0.00, 0.15
HSL	198°, 64%, 58%
HSV	198°, 63%, 85%
XYZ	31.5548, 38.1595, 71.3480
YIQ	152.5570, -70.6520, -8.1240

Conversions

Conversions Part 2

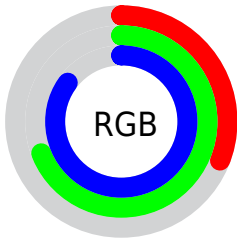
Format	Color
RYB	80, 137, 217
Decimal	5288409
CIELab	68.14, -16.45, -28.65
CIELCh	68, 33.036, 240.138
Yxy	38.1595, 0.2237, 0.2705
Android (android.graphics.Color)	4283478489 (0xFF50B1D9)
YUV	152.5570, 31.7704, -63.6325
Hunter-Lab	61.7734, -16.9228, -25.2383

Details

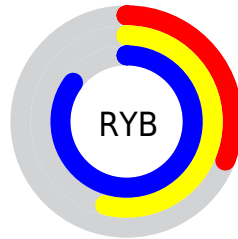
The XYZ color **31.5548, 38.1595, 71.3480** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **36.7811, 28.7656, 11.2047**, and the grayscale version is **29.9759, 31.5370, 34.3438**.

A 20% lighter version of the original color is **58.1734, 71.1605, 105.2770**, and **13.7292, 17.0239, 36.7448** is the 20% darker color. If you saturate the color by 10%, you get **28.7874, 34.9186, 70.8690**, and if you desaturate by 10%, it is **34.9743, 41.8243, 71.8759**.

Distribution



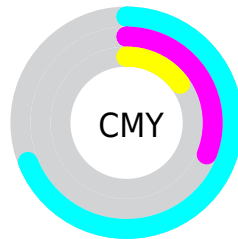
- Red (31%)
- Green (69%)
- Blue (85%)



- Red (31%)
- Yellow (54%)
- Blue (85%)



- Cyan (63%)
- Magenta (18%)
- Yellow (0%)
- Black (15%)



- Cyan (69%)
- Magenta (31%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5548, 38.1595, 71.3480 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 31.5548, 38.1595, 71.3480 by changing the saturation by 10% instead.

■ 31.5548, 38.1595,
71.3480

■ 31.5548, 38.1595,
71.3480

300.8676,
338.3037, 484.1854

■ 21.1756, 26.1065,
52.1427

■ 61.4824, 72.3525,
122.8282

■ 13.3656, 16.9033,
36.7358

■ 81.7615, 95.2614,
155.9401

■ 7.7595, 10.1656,
24.7088

■ 106.0713,
122.5576, 194.5247

■ 3.9920, 5.5089,
15.6432

■ 134.7771,
154.6257, 239.0003

■ 1.6976, 2.5488,
9.1204

168.2443,
191.8499, 289.7857

■ 0.4548, 0.9010,
4.7219

206.8382,

■ 0.0000, 0.0000,

234.6147, 347.2993

2.0292

250.9242,
283.3045, 411.9597

■ 0.0000, 0.0000,
0.5731

■ 0.0000, 0.0000,
0.0000

■ 31.5548, 38.1595,
71.3480

■ 31.5548, 38.1595,
71.3480

■ 28.7874, 34.9186,
70.8690

■ 34.9743, 41.8243,
71.8759

■ 26.6082, 32.0654,
70.4332

■ 39.0944, 45.9369,
72.4525

■ 24.9460, 29.5625,
70.0377

■ 43.9628, 50.5238,
73.0813

■ 24.0212, 28.0031,
69.7854

■ 49.6222, 55.6080,
73.7644

■ 56.1115, 61.2108,
74.5038

■ 63.4672, 67.3520,
75.3015

■ 71.7235, 74.0502,
76.1592

■ 80.9125, 81.3230,
77.0787

■ 83.1946, 85.1299,
77.6932

Harmonies

Analogous

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



28.3553, 38.1595, 57.4930



31.5548, 38.1595, 71.3480



36.2933, 38.1595, 76.8901

Triad

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



31.5548, 38.1595, 71.3480



47.1113, 38.1595, 41.4809



31.5172, 38.1595, 21.5178

Complementary

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



31.5548, 38.1595, 71.3480



36.7811, 28.7656, 11.2047

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.



36.2456, 38.1595, 19.1369



31.5548, 38.1595, 71.3480



45.5342, 38.1595, 28.8646

Square

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



31.5548, 38.1595, 71.3480



45.5619, 38.1595, 57.3462



41.4318, 38.1595, 21.4738



28.3350, 38.1595, 28.9575

Rectangle

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



31.5548, 38.1595, 71.3480



39.7899, 38.1595, 74.3041



41.4318, 38.1595, 21.4738



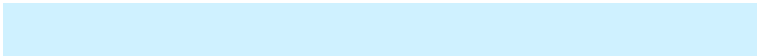
32.9630, 38.1595, 20.1906

Sweetspot

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



31.5561, 38.1609, 71.3489



75.0686, 83.2448, 106.7190



31.4412, 52.6597, 25.9042



15.5088, 17.3307, 22.7777



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.



31.5561, 38.1609, 71.3489



40.2760, 48.7968, 101.9037



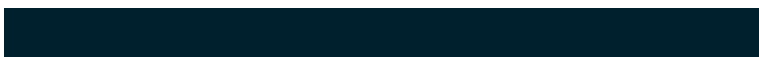
21.3760, 17.8006, 67.9556



13.1071, 14.1539, 16.6933



14.6363, 17.1420, 42.2757



1.0212, 1.2565, 2.7632

Inverse Universe

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



39.4209, 23.6648, 44.0863



53.1605, 28.7153, 56.4183



47.9019, 51.0074, 14.9116



13.4439, 13.2067, 15.5988



20.8830, 10.3543, 19.5619



1.3898, 0.6855, 1.4614

Previews

White Background



This preview shows how the XYZ color 31.5548, 38.1595, 71.3480 looks on a white background.

Color Contrast Check

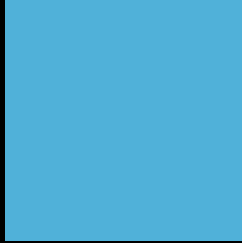
Large Text (above 18pt) WCAG AA × Fail

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 31.5548, 38.1595, 71.3480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

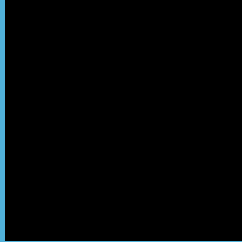
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.5548, 38.1595, 71.3480

Background



This preview shows how black text looks on a background with the XYZ color 31.5548, 38.1595, 71.3480.

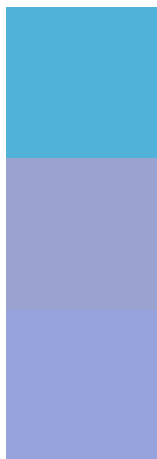


This preview shows how white text looks on a background with the XYZ color 31.5548, 38.1595,

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

31.5548, 38.1595, 71.3480

Protanopia

37.6861, 37.5694, 64.2968

Deuteranopia

38.7780, 37.9410, 72.9897



Tritanopia

28.8284, 38.2531, 57.4939

Trichromacy



Original Color

31.5548, 38.1595, 71.3480

Protanomaly

34.5129, 37.2204, 66.9933

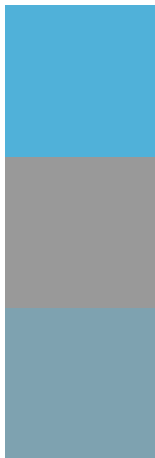
Deuteranomaly

35.2463, 37.4797, 72.3945

Tritanomaly

29.8484, 38.3708, 62.3330

Monochromacy



Original Color

31.5548, 38.1595, 71.3480

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.3610, 33.4109, 45.9757

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5548, 38.1595, 71.3480 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(80, 177, 217)` looks like.

```
.text, #text, p{  
    color:rgb(80, 177, 217)  
}
```

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(80, 177, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 177, 217) }
```

Border

The CSS property to change the border of an element to XYZ 31.5548, 38.1595, 71.3480 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(80, 177, 217) }
```


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

```
.border{ border-color:rgb(80, 177, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 177, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 177, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 177, 217);  
box-shadow:4px 4px 4px 4px rgb(80, 177,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5548, 38.1595, 71.3480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 177, 217) }
```

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

```
.background{ background-color: rgb(80, 177,  
217) }
```

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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