

Converting Colors

XYZ(31.1038, 38.9435, 70.5559)

Have a look what the booklet for
XYZ(31.1038, 38.9435, 70.5559)
contains.

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Color

**XYZ(31.0998, 38.8293,
70.8214)**

Conversions

Conversions Part 1

Format	Color
Hex	44B4D8
RGB	68, 180, 216
RGB Percent	27%, 71%, 85%
CMY	0.7333, 0.2941, 0.1529
CMYK	0.69, 0.17, 0.00, 0.15
HSL	195°, 65%, 56%
HSV	195°, 69%, 85%
XYZ	31.0998, 38.8293, 70.8214
YIQ	150.6160, -78.3080, -12.5480

Conversions

Conversions Part 2

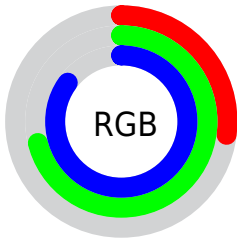
Format	Color
RYB	68, 132, 216
Decimal	4502744
CIELab	68.63, -20.23, -27.38
CIELCh	69, 34.041, 233.537
Yxy	38.8293, 0.2210, 0.2759
Android (android.graphics.Color)	4282692824 (0xFF44B4D8)
YUV	150.6160, 32.2343, -72.4542
Hunter-Lab	62.3132, -19.9607, -23.7662

Details

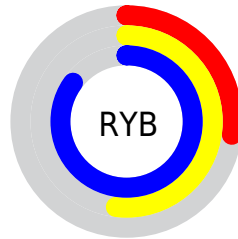
The XYZ color **31.0998, 38.8293, 70.8214** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **34.3140, 24.9187, 8.4715**, and the grayscale version is **29.1438, 30.6615, 33.3904**.

A 20% lighter version of the original color is **57.7183, 72.1975, 105.5012**, and **14.0224, 17.7520, 36.4056** is the 20% darker color. If you saturate the color by 10%, you get **28.8211, 36.1104, 70.4174**, and if you desaturate by 10%, it is **33.9760, 41.9174, 71.2666**.

Distribution



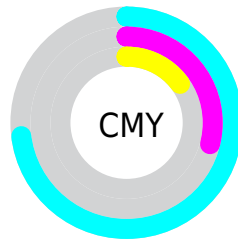
- Red (27%)
- Green (71%)
- Blue (85%)



- Red (27%)
- Yellow (52%)
- Blue (85%)



- Cyan (69%)
- Magenta (17%)
- Yellow (0%)
- Black (15%)



- Cyan (73%)
- Magenta (29%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0998, 38.8293, 70.8214 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 31.0998, 38.8293, 70.8214 by changing the saturation by 10% instead.

■ 31.0998, 38.8293,
70.8214

■ 31.0998, 38.8293,
70.8214

298.8165,
341.1642, 482.2957

■ 20.8271, 26.6270,
51.7155

■ 60.7719, 73.3775,
122.0715

■ 13.1094, 17.2933,
36.3977

■ 80.9020, 96.4921,
155.0527

■ 7.5814, 10.4438,
24.4494

■ 105.0486,
124.0129, 193.4962

■ 3.8778, 5.6942,
15.4520

■ 133.5771,
156.3244, 237.8204

■ 1.6333, 2.6600,
8.9871

166.8527,
193.8108, 288.4440

■ 0.4139, 0.9569,
4.6361

205.2410,

■ 0.0000, 0.0000,

236.8567, 345.7853

1.9804

249.1071,
285.8464, 410.2630

■ 0.0000, 0.0000,
0.5432

■ 0.0000, 0.0000,
0.0000

■ 31.0998, 38.8293,
70.8214

■ 31.0998, 38.8293,
70.8214

■ 28.8211, 36.1104,
70.4174

■ 33.9760, 41.9174,
71.2666

■ 27.0711, 33.7223,
70.0487

■ 37.5010, 45.3996,
71.7530

■ 25.7534, 31.6155,
69.7115

■ 41.7245, 49.3029,
72.2838

■ 25.5737, 31.3158,
69.6631

■ 46.6904, 53.6504,
72.8612

■ 52.4386, 58.4634,
73.4872

■ 59.0062, 63.7617,
74.1638

■ 66.4280, 69.5637,
74.8925

■ 74.7363, 75.8868,
75.6751

■ 81.1833, 81.3148,
76.3830

Harmonies

Analogous

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



28.2207, 38.8293, 55.2305



31.0998, 38.8293, 70.8214



35.7552, 38.8293, 79.0244

Triad

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



31.0998, 38.8293, 70.8214



48.1542, 38.8293, 45.6976



32.9318, 38.8293, 20.5384

Complementary

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



31.0998, 38.8293, 70.8214



34.3140, 24.9187, 8.4715

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.



38.0814, 38.8293, 19.1650



31.0998, 38.8293, 70.8214



47.2124, 38.8293, 31.5284

Square

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



31.0998, 38.8293, 70.8214



45.8550, 38.8293, 62.4156



43.3935, 38.8293, 22.6662



29.2045, 38.8293, 27.0181

Rectangle

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



31.0998, 38.8293, 70.8214



39.3778, 38.8293, 78.0663



43.3935, 38.8293, 22.6662



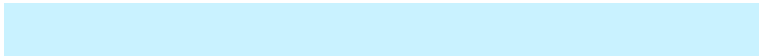
34.5400, 38.8293, 19.5416

Sweetspot

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



31.1011, 38.8307, 70.8223



74.0030, 83.1888, 106.7644



29.3658, 51.3116, 21.0678



15.3340, 17.3839, 22.7972



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.



31.1011, 38.8307, 70.8223



40.7977, 51.0494, 102.3110



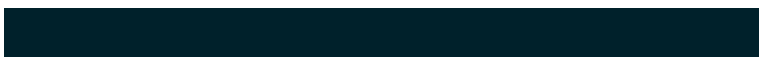
20.0865, 16.8016, 67.1508



12.5244, 13.5722, 15.8971



15.2251, 18.7119, 41.2625



0.9810, 1.2539, 2.5096

Inverse Universe

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



38.6254, 22.0298, 45.3977



53.1286, 27.5724, 59.7348



44.9936, 46.2780, 12.0314



12.8179, 12.5787, 14.9812



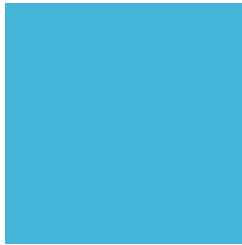
20.7438, 10.2338, 21.7525



1.2828, 0.6299, 1.4786

Previews

White Background



This preview shows how the XYZ color 31.0998, 38.8293, 70.8214 looks on a white background.

Color Contrast Check

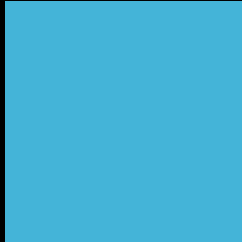
Large Text (above 18pt) WCAG AA × Fail

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 31.0998, 38.8293, 70.8214 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 31.0998, 38.8293, 70.8214

Background



This preview shows how black text looks on a background with the XYZ color 31.0998, 38.8293, 70.8214.



This preview shows how white text looks on a background with the XYZ color 31.0998, 38.8293,

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

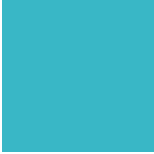
31.0998, 38.8293, 70.8214

Protanopia

38.3792, 38.4861, 63.1634

Deuteranopia

39.3306, 38.4905, 73.0666



Tritanopia

28.8139, 38.8140, 59.3993

Trichromacy



Original Color

31.0998, 38.8293, 70.8214

Protanomaly

34.3408, 37.7129, 65.7910

Deuteranomaly

35.1869, 38.0015, 72.4983

Tritanomaly

29.6719, 38.8558, 63.6937

Monochromacy



Original Color

31.0998, 38.8293, 70.8214

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

28.5434, 33.0008, 45.4228

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0998, 38.8293, 70.8214 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(68, 180, 216)` looks like.

```
.text, #text, p{  
    color:rgb(68, 180, 216)  
}
```

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(68, 180, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 180, 216) }
```

Border

The CSS property to change the border of an element to XYZ 31.0998, 38.8293, 70.8214 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(68, 180, 216) }
```


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

```
.border{ border-color:rgb(68, 180, 216) }
```

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

Here you see how a box with a 4 pixel rgb(68, 180, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 180, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 180, 216);  
box-shadow:4px 4px 4px 4px rgb(68, 180,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0998, 38.8293, 70.8214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 180, 216) }
```

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

```
.background{ background-color: rgb(68, 180,  
216) }
```

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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