

Converting Colors

XYZ(31.1704, 33.2161, 68.6113)

Have a look what the booklet for
XYZ(31.1704, 33.2161, 68.6113)
contains.

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Color

**XYZ(31.1388, 33.3116,
68.4069)**

Conversions

Conversions Part 1

Format	Color
Hex	6EA0D6
RGB	110, 160, 214
RGB Percent	43%, 63%, 84%
CMY	0.5686, 0.3725, 0.1608
CMYK	0.49, 0.25, 0.00, 0.16
HSL	211°, 56%, 64%
HSV	211°, 49%, 84%
XYZ	31.1388, 33.3116, 68.4069
YIQ	151.2060, -47.1340, 6.1940

Conversions

Conversions Part 2

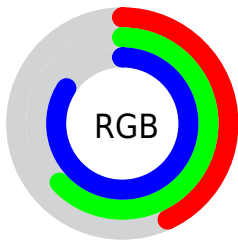
Format	Color
R _Y B	110, 144, 214
Decimal	7250134
CIE Lab	64.41, -1.92, -32.65
CIE LCh	64, 32.709, 266.637
Yxy	33.3116, 0.2344, 0.2507
Android (android.graphics.Color)	4285440214 (0xFF6EA0D6)
YUV	151.2060, 30.9574, -36.1377
Hunter-Lab	57.7162, -4.6998, -29.8709

Details

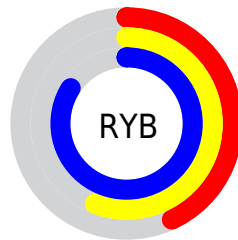
The XYZ color **31.1388, 33.3116, 68.4069** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **43.8226, 41.9743, 20.5454**, and the grayscale version is **29.3906, 30.9212, 33.6732**.

A 20% lighter version of the original color is **58.0763, 63.9279, 103.8861**, and **13.1428, 14.1705, 34.8434** is the 20% darker color. If you saturate the color by 10%, you get **26.9499, 28.4197, 67.6841**, and if you desaturate by 10%, it is **36.1451, 38.8817, 69.2188**.

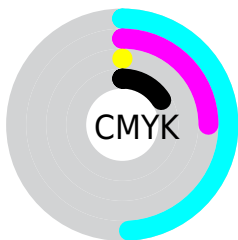
Distribution



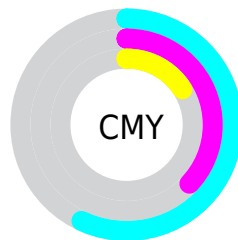
- Red (43%)
- Green (63%)
- Blue (84%)



- Red (43%)
- Yellow (56%)
- Blue (84%)



- Cyan (49%)
- Magenta (25%)
- Yellow (0%)
- Black (16%)



- Cyan (57%)
- Magenta (37%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1388, 33.3116, 68.4069 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 31.1388, 33.3116, 68.4069 by changing the saturation by 10% instead.

■ 31.1388, 33.3116,
68.4069

■ 31.1388, 33.3116,
68.4069

298.9927,
317.0515, 473.5735

■ 20.8569, 22.3653,
49.7601

■ 60.8329, 64.8617,
118.5938

■ 13.1313, 14.1255,
34.8530

■ 80.9758, 86.2343,
150.9709

■ 7.5967, 8.2080,
23.2670

■ 105.1364,
111.8510, 188.7619

■ 3.8876, 4.2283,
14.5836

133.6801,
142.0964, 232.3853

■ 1.6387, 1.8021,
8.3843

166.9722,
177.3547, 282.2596

■ 0.4175, 0.4885,
4.2506

205.3781,

■ 0.0000, 0.0000,

218.0104, 338.8033

1.7638

249.2632,
264.4478, 402.4351

■ 0.0000, 0.0000,
0.4039

■ 0.0000, 0.0000,
0.0000

■ 31.1388, 33.3116,
68.4069

■ 31.1388, 33.3116,
68.4069

■ 26.9499, 28.4197,
67.6841

■ 36.1451, 38.8817,
69.2188

■ 23.5233, 24.1692,
67.0442

■ 42.0120, 45.1569,
70.1208

■ 20.8021, 20.5243,
66.4841

■ 48.7837, 52.1667,
71.1169

■ 18.7184, 17.4428,
65.9992

■ 56.4999, 59.9376,
72.2102

■ 17.1704, 14.8647,
65.5831

■ 65.1981, 68.4947,
73.4034

■ 16.9764, 14.5325,
65.5292

■ 74.9135, 77.8617,
74.6994

■ 83.8895, 87.1387,
76.0169

■ 87.2213, 93.8022,
77.1275

■ 89.1377, 97.6351,
77.7663

Harmonies

Analogous

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



26.9836, 33.3116, 62.2135



31.1388, 33.3116, 68.4069



35.8528, 33.3116, 64.3962

Triad

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



31.1388, 33.3116, 68.4069



40.3688, 33.3116, 25.9357



24.7498, 33.3116, 23.9056

Complementary

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



31.1388, 33.3116, 68.4069



43.8226, 41.9743, 20.5454

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.



27.8106, 33.3116, 17.8231



31.1388, 33.3116, 68.4069



36.8513, 33.3116, 18.7773

Square

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



31.1388, 33.3116, 68.4069



41.4793, 33.3116, 37.7974



32.1904, 33.3116, 16.2055



23.5300, 33.3116, 34.7856

Rectangle

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



31.1388, 33.3116, 68.4069



38.6357, 33.3116, 56.9062



32.1904, 33.3116, 16.2055



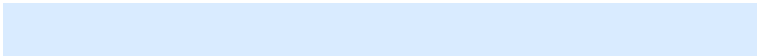
25.5818, 33.3116, 21.3456

Sweetspot

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



31.1399, 33.3128, 68.4077



76.3392, 81.4298, 106.3018



37.1548, 54.0797, 43.4773



15.8339, 16.9164, 22.6806



0.0000, 0.0000, 0.0000



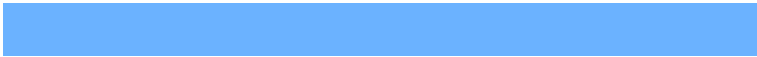
20.3446, 21.4041, 23.3091

Same Dimension

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



31.1399, 33.3128, 68.4077



40.0866, 42.2744, 100.6547



24.3630, 19.4356, 66.0863



12.2303, 12.9840, 15.7991



10.3641, 8.9900, 39.6422



0.7078, 0.7075, 2.4186

Inverse Universe

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



39.6536, 27.9873, 36.5709



54.5646, 35.0188, 46.1109



54.0901, 63.2563, 24.1121



12.6694, 12.5193, 14.1995



18.2902, 9.2524, 8.8322



1.1449, 0.5747, 0.7524

Previews

White Background



This preview shows how the XYZ color 31.1388, 33.3116, 68.4069 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 31.1388, 33.3116, 68.4069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

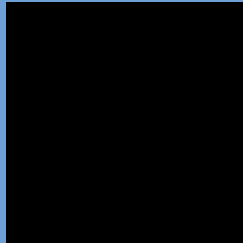
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

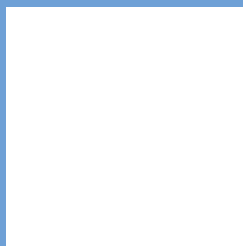
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1388, 33.3116, 68.4069

Background



This preview shows how black text looks on a background with the XYZ color 31.1388, 33.3116, 68.4069.

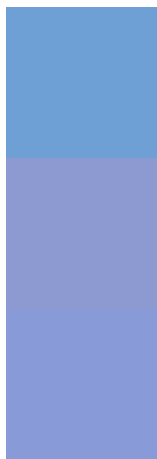


This preview shows how white text looks on a background with the XYZ color 31.1388, 33.3116,

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

31.1388, 33.3116, 68.4069

Protanopia

33.8794, 33.2901, 64.9616

Deuteranopia

33.9747, 33.2517, 68.9175



Tritanopia

27.0200, 33.2204, 48.1681

Trichromacy



Original Color

31.1388, 33.3116, 68.4069

Protanomaly

32.6996, 33.1472, 66.3026

Deuteranomaly

32.9066, 33.1953, 68.9629

Tritanomaly

28.3834, 33.2403, 54.7892

Monochromacy



Original Color

31.1388, 33.3116, 68.4069

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.3489, 31.4014, 44.5586

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1388, 33.3116, 68.4069 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(110, 160, 214)` looks like.

```
.text, #text, p{  
    color:rgb(110, 160, 214)  
}
```

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(110, 160, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 160, 214) }
```

Border

The CSS property to change the border of an element to XYZ 31.1388, 33.3116, 68.4069 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(110, 160, 214) }
```


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

```
.border{ border-color:rgb(110, 160, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 160, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 160, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 160, 214);  
box-shadow:4px 4px 4px 4px rgb(110, 160,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1388, 33.3116, 68.4069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 160, 214) }
```

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

```
.background{ background-color: rgb(110,  
160, 214) }
```

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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