

Converting Colors

XYZ(30.4844, 37.1694, 67.5867)

Have a look what the booklet for
XYZ(30.4844, 37.1694, 67.5867)
contains.

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Color

**XYZ(30.5219, 37.1189,
67.8433)**

Conversions

Conversions Part 1

Format	Color
Hex	50AFD4
RGB	80, 175, 212
RGB Percent	31%, 69%, 83%
CMY	0.6862, 0.3137, 0.1686
CMYK	0.62, 0.17, 0.00, 0.17
HSL	197°, 61%, 57%
HSV	197°, 62%, 83%
XYZ	30.5219, 37.1189, 67.8433
YIQ	150.8130, -68.4970, -8.6330

Conversions

Conversions Part 2

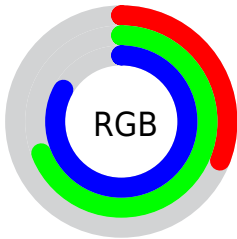
Format	Color
R _Y B	80, 135, 212
Decimal	5287892
CIE Lab	67.37, -16.94, -27.09
CIE LCh	67, 31.950, 237.977
Yxy	37.1189, 0.2253, 0.2740
Android (android.graphics.Color)	4283477972 (0xFF50AFD4)
YUV	150.8130, 30.1652, -62.1030
Hunter-Lab	60.9253, -17.1956, -23.3746

Details

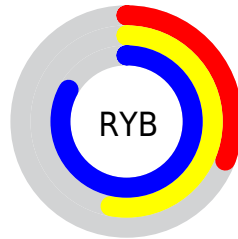
The XYZ color **30.5219, 37.1189, 67.8433** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **34.9618, 27.3003, 11.0176**, and the grayscale version is **29.2330, 30.7554, 33.4926**.

A 20% lighter version of the original color is **57.6104, 70.0345, 105.0894**, and **13.0453, 16.3534, 34.3672** is the 20% darker color. If you saturate the color by 10%, you get **27.8752, 34.0757, 67.3961**, and if you desaturate by 10%, it is **33.7866, 40.5576, 68.3357**.

Distribution



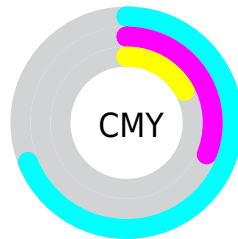
- Red (31%)
- Green (69%)
- Blue (83%)



- Red (31%)
- Yellow (53%)
- Blue (83%)



- Cyan (62%)
- Magenta (17%)
- Yellow (0%)
- Black (17%)



- Cyan (69%)
- Magenta (31%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5219, 37.1189, 67.8433 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 30.5219, 37.1189, 67.8433 by changing the saturation by 10% instead.

■ 30.5219, 37.1189,
67.8433

■ 30.5219, 37.1189,
67.8433

296.1960,
333.8250, 471.5236

■ 20.3851, 25.2996,
49.3044

■ 59.8675, 70.7556,
117.7800

■ 12.7852, 16.3004,
34.4937

■ 79.8071, 93.3418,
150.0149

■ 7.3568, 9.7370,
22.9927

■ 103.7449,
120.2857, 187.6522

■ 3.7345, 5.2249,
14.3829

■ 132.0464,
151.9717, 231.1104

■ 1.5531, 2.3798,
8.2456

165.0769,
188.7843, 280.8082

■ 0.3615, 0.8155,
4.1625

203.2018,

■ 0.0000, 0.0000,

231.1077, 337.1639

1.7149

246.7863,
279.3265, 400.5962

■ 0.0000, 0.0000,
0.3709

■ 0.0000, 0.0000,
0.0000

■ 30.5219, 37.1189,
67.8433

■ 30.5219, 37.1189,
67.8433

■ 27.8752, 34.0757,
67.3961

■ 33.7866, 40.5576,
68.3357

■ 25.7868, 31.3943,
66.9886

■ 37.7141, 44.4138,
68.8730

■ 24.1911, 29.0406,
66.6184

■ 42.3493, 48.7123,
69.4584

■ 23.2058, 27.3975,
66.3532

■ 47.7319, 53.4744,
70.0939

■ 53.8985, 58.7199,
70.7813

■ 60.8832, 64.4673,
71.5226

■ 68.7181, 70.7339,
72.3192

■ 77.4333, 77.5363,
73.1728

■ 81.0008, 81.7675,
73.8015

Harmonies

Analogous

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



27.6050, 37.1189, 54.4237



30.5219, 37.1189, 67.8433



34.9492, 37.1189, 73.7771

Triad

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



30.5219, 37.1189, 67.8433



45.5456, 37.1189, 41.3750



31.0473, 37.1189, 20.9811

Complementary

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



30.5219, 37.1189, 67.8433



34.9618, 27.3003, 11.0176

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.



35.6136, 37.1189, 19.0219



30.5219, 37.1189, 67.8433



44.2609, 37.1189, 29.0454

Square

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



30.5219, 37.1189, 67.8433



43.8756, 37.1189, 56.4580



40.5094, 37.1189, 21.6017



27.8881, 37.1189, 27.7433

Rectangle

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



30.5219, 37.1189, 67.8433



38.2653, 37.1189, 71.8538



40.5094, 37.1189, 21.6017



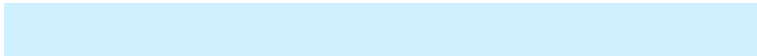
32.4549, 37.1189, 19.8187

Sweetspot

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



30.5231, 37.1203, 67.8442



75.2361, 83.5798, 106.7749



29.9589, 50.0358, 24.3606



15.5496, 17.4122, 22.7913



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.



30.5231, 37.1203, 67.8442



41.1263, 50.2579, 102.1409



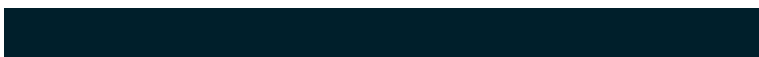
20.8559, 17.7858, 64.6218



12.4843, 13.4920, 15.8837



14.4144, 17.0906, 40.9922



0.9377, 1.1674, 2.4952

Inverse Universe

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



37.7590, 22.8308, 42.9754



53.6481, 29.1342, 58.2962



45.1650, 47.7066, 14.4186



12.7976, 12.5706, 14.8747



20.3346, 10.0702, 19.5978



1.2610, 0.6212, 1.3635

Previews

White Background



This preview shows how the XYZ color 30.5219, 37.1189, 67.8433 looks on a white background.

Color Contrast Check

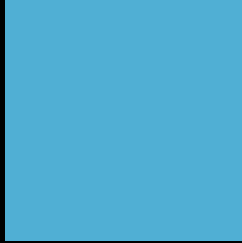
Large Text (above 18pt) WCAG AA × Fail

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 30.5219, 37.1189, 67.8433 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 30.5219, 37.1189, 67.8433

Background



This preview shows how black text looks on a background with the XYZ color 30.5219, 37.1189, 67.8433.

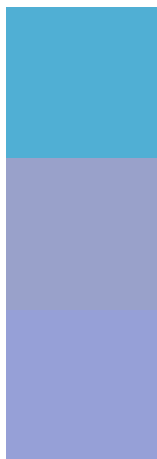


This preview shows how white text looks on a background with the XYZ color 30.5219, 37.1189,

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

30.5219, 37.1189, 67.8433

Protanopia

36.5424, 36.5263, 61.0014

Deuteranopia

37.4142, 36.5319, 69.3694



Tritanopia

28.1446, 37.0306, 56.1163

Trichromacy



Original Color

30.5219, 37.1189, 67.8433

Protanomaly

33.3810, 36.1643, 63.6136

Deuteranomaly

34.0502, 36.1253, 68.7966

Tritanomaly

28.9715, 37.0703, 60.2719

Monochromacy



Original Color

30.5219, 37.1189, 67.8433

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

28.5711, 32.5187, 44.3060

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5219, 37.1189, 67.8433 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, 175, 212)` looks like.

```
.text, #text, p{  
    color:rgb(80, 175, 212)  
}
```

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, 175, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 175, 212) }
```

Border

The CSS property to change the border of an element to XYZ 30.5219, 37.1189, 67.8433 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, 175, 212) }
```


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

```
.border{ border-color:rgb(80, 175, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 175, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 175, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 175, 212);  
box-shadow:4px 4px 4px 4px rgb(80, 175,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5219, 37.1189, 67.8433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 175, 212) }
```

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

```
.background{ background-color: rgb(80, 175,  
212) }
```

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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