

Converting Colors

XYZ(30.4457, 39.0074, 67.5602)

Have a look what the booklet for
XYZ(30.4457, 39.0074, 67.5602)
contains.

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Color

**XYZ(30.3316, 38.8077,
67.5200)**

Conversions

Conversions Part 1

Format	Color
Hex	3FB5D3
RGB	63, 181, 211
RGB Percent	25%, 71%, 83%
CMY	0.7529, 0.2902, 0.1725
CMYK	0.70, 0.14, 0.00, 0.17
HSL	192°, 63%, 54%
HSV	192°, 70%, 83%
XYZ	30.3316, 38.8077, 67.5200
YIQ	149.1380, -79.9580, -15.6860

Conversions

Conversions Part 2

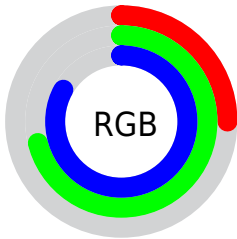
Format	Color
RYB	63, 129, 211
Decimal	4175315
CIELab	68.61, -23.02, -24.67
CIELCh	69, 33.744, 226.975
Yxy	38.8077, 0.2220, 0.2840
Android (android.graphics.Color)	4282365395 (0xFF3FB5D3)
YUV	149.1380, 30.4980, -75.5430
Hunter-Lab	62.2958, -22.1067, -20.6550

Details

The XYZ color **30.3316, 38.8077, 67.5200** 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 **31.6766, 22.0379, 7.2880**, and the grayscale version is **28.5264, 30.0120, 32.6831**.

A 20% lighter version of the original color is **57.3874, 72.4555, 105.5684**, and **13.7199, 17.8386, 34.1726** is the 20% darker color. If you saturate the color by 10%, you get **28.3771, 36.5296, 67.1840**, and if you desaturate by 10%, it is **32.8314, 41.4081, 67.8909**.

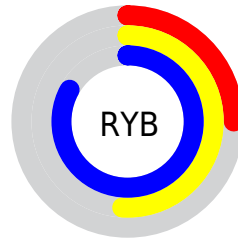
Distribution



Red (25%)

Green (71%)

Blue (83%)



Red (25%)

Yellow (51%)

Blue (83%)

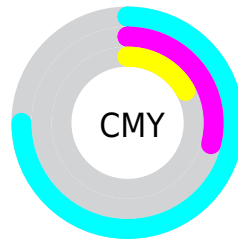


Cyan (70%)

Magenta (14%)

Yellow (0%)

Black (17%)



Cyan (75%)

Magenta (29%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3316, 38.8077, 67.5200 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 30.3316, 38.8077, 67.5200 by changing the saturation by 10% instead.

■ 30.3316, 38.8077,
67.5200

■ 30.3316, 38.8077,
67.5200

295.3292,
341.0722, 470.3453

■ 20.2397, 26.6102,
49.0431

■ 59.5692, 73.3445,
117.3129

■ 12.6787, 17.2807,
34.2878

■ 79.4457, 96.4525,
149.4660

■ 7.2831, 10.4348,
22.8356

■ 103.3144,
123.9661, 187.0149

■ 3.6877, 5.6882,
14.2680

■ 131.5408,
156.2697, 230.3781

■ 1.5270, 2.6564,
8.1665

■ 164.4900,
193.7478, 279.9742

■ 0.3441, 0.9551,
4.1123

202.5277,

■ 0.0000, 0.0000,

236.7846, 336.2218

1.6872

246.0189,
285.7646, 399.5393

■ 0.0000, 0.0000,
0.3519

■ 0.0000, 0.0000,
0.0000

■ 30.3316, 38.8077,
67.5200

■ 30.3316, 38.8077,
67.5200

■ 28.3771, 36.5296,
67.1840

■ 32.8314, 41.4081,
67.8909

■ 26.9013, 34.5367,
66.8772

■ 35.9258, 44.3543,
68.2965

■ 25.8033, 32.7938,
66.5986

■ 39.6626, 47.6720,
68.7399

■ 44.0835, 51.3829,
69.2232

■ 49.2266, 55.5073,
69.7482

■ 55.1273, 60.0635,
70.3166

■ 61.8185, 65.0688,
70.9301

■ 69.3310, 70.5395,
71.5901

■ 77.6940, 76.4910,
72.2981

Harmonies

Analogous

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



27.9343, 38.8077, 51.4069



30.3316, 38.8077, 67.5200



34.6260, 38.8077, 77.7436

Triad

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



30.3316, 38.8077, 67.5200



47.7866, 38.8077, 49.2136



33.9764, 38.8077, 19.9576

Complementary

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



30.3316, 38.8077, 67.5200



31.6766, 22.0379, 7.2880

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.



39.2414, 38.8077, 19.6419



30.3316, 38.8077, 67.5200



47.5698, 38.8077, 34.2593

Square

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



30.3316, 38.8077, 67.5200



44.8880, 38.8077, 65.5850



44.3215, 38.8077, 24.2396



29.8956, 38.8077, 25.2399

Rectangle

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



30.3316, 38.8077, 67.5200



38.1430, 38.8077, 78.5532



44.3215, 38.8077, 24.2396



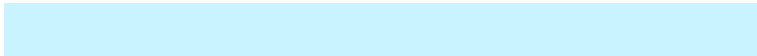
35.6561, 38.8077, 19.3213

Sweetspot

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



30.3329, 38.8091, 67.5209



74.6530, 84.4888, 106.9811



27.3034, 48.4295, 18.1736



15.4900, 17.6961, 22.8492



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.



30.3329, 38.8091, 67.5209



42.3955, 54.5653, 102.9054



19.1086, 16.3605, 63.7795



11.9464, 12.9830, 15.1200



15.6466, 19.9398, 40.2166



0.9277, 1.2205, 2.2663

Inverse Universe

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



36.9830, 20.7413, 45.7718



53.8570, 27.5644, 64.4928



41.5079, 41.7003, 10.5651



12.2038, 11.9663, 14.3492



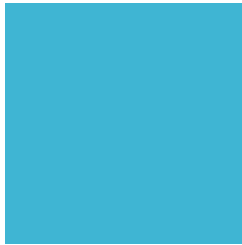
20.5284, 10.0842, 23.4866



1.1745, 0.5745, 1.4535

Previews

White Background



This preview shows how the XYZ color 30.3316, 38.8077, 67.5200 looks on a white background.

Color Contrast Check

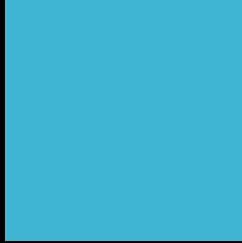
Large Text (above 18pt) WCAG AA × Fail

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 30.3316, 38.8077, 67.5200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

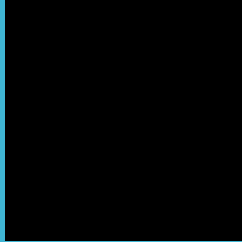
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.3316, 38.8077, 67.5200

Background



This preview shows how black text looks on a background with the XYZ color 30.3316, 38.8077, 67.5200.

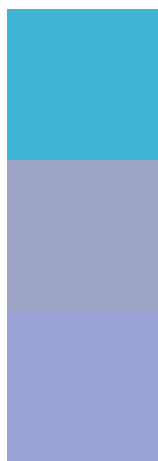


This preview shows how white text looks on a background with the XYZ color 30.3316, 38.8077,

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

30.3316, 38.8077, 67.5200

Protanopia

38.1785, 38.4513, 60.0532

Deuteranopia

39.0732, 38.1686, 69.5979



Tritanopia

28.7021, 38.7564, 59.3941

Trichromacy



Original Color

30.3316, 38.8077, 67.5200

Protanomaly

33.7742, 37.7705, 62.6371

Deuteranomaly

34.5384, 37.7421, 69.0829

Tritanomaly

29.2524, 38.6672, 62.4217

Monochromacy



Original Color

30.3316, 38.8077, 67.5200

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

27.6625, 32.3198, 43.8101

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3316, 38.8077, 67.5200 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(63, 181, 211)` looks like.

```
.text, #text, p{  
    color:rgb(63, 181, 211)  
}
```

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(63, 181, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 181, 211) }
```

Border

The CSS property to change the border of an element to XYZ 30.3316, 38.8077, 67.5200 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(63, 181, 211) }
```


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

```
.border{ border-color:rgb(63, 181, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 181, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 181, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 181, 211);  
box-shadow:4px 4px 4px 4px rgb(63, 181,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3316, 38.8077, 67.5200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 181, 211) }
```

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

```
.background{ background-color: rgb(63, 181,  
211) }
```

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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