

Converting Colors

XYZ(30.8989, 34.9139, 58.2803)

Have a look what the booklet for
XYZ(30.8989, 34.9139, 58.2803)
contains.

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Color

**XYZ(31.0317, 35.0627,
58.5583)**

Conversions

Conversions Part 1

Format	Color
Hex	74A6C6
RGB	116, 166, 198
RGB Percent	45%, 65%, 78%
CMY	0.5451, 0.3490, 0.2235
CMYK	0.41, 0.16, 0.00, 0.22
HSL	203°, 42%, 62%
HSV	203°, 41%, 78%
XYZ	31.0317, 35.0627, 58.5583
YIQ	154.6980, -40.0720, -0.6480

Conversions

Conversions Part 2

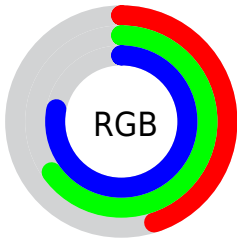
Format	Color
R _Y B	116, 147, 198
Decimal	7644870
CIE Lab	65.80, -8.28, -21.61
CIE LCh	66, 23.148, 249.030
Yxy	35.0627, 0.2489, 0.2813
Android (android.graphics.Color)	4285834950 (0xFF74A6C6)
YUV	154.6980, 21.3479, -33.9381
Hunter-Lab	59.2138, -10.0790, -17.1841

Details

The XYZ color **31.0317, 35.0627, 58.5583** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **37.0316, 34.4471, 21.2212**, and the grayscale version is **30.9447, 32.5562, 35.4537**.

A 20% lighter version of the original color is **60.7010, 67.5908, 104.4548**, and **13.0380, 15.0724, 28.6076** is the 20% darker color. If you saturate the color by 10%, you get **27.3125, 31.1233, 57.9946**, and if you desaturate by 10%, it is **35.3985, 39.4628, 59.1781**.

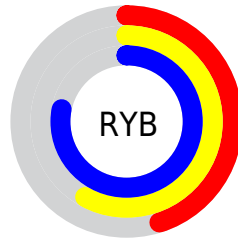
Distribution



Red (45%)

Green (65%)

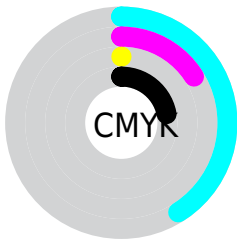
Blue (78%)



Red (45%)

Yellow (58%)

Blue (78%)

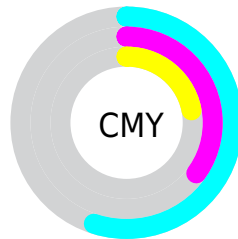


Cyan (41%)

Magenta (16%)

Yellow (0%)

Black (22%)



Cyan (55%)

Magenta (35%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0317, 35.0627, 58.5583 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 31.0317, 35.0627, 58.5583 by changing the saturation by 10% instead.

■ 31.0317, 35.0627,
58.5583

■ 31.0317, 35.0627,
58.5583

298.5086,
324.8450, 436.9193

■ 20.7749, 23.7112,
41.8400

■ 60.6655, 67.5829,
104.2582

■ 13.0711, 15.1195,
28.6514

■ 80.7732, 89.5203,
134.0769

■ 7.5549, 8.9033,
18.5739

■ 104.8953,
115.7552, 169.0995

■ 3.8609, 4.6782,
11.1891

133.3971,
146.6720, 209.7445

■ 1.6237, 2.0597,
6.0784

166.6440,
182.6549, 256.4304

■ 0.4078, 0.6418,
2.8233

205.0013,

■ 0.0000, 0.0000,

224.0885, 309.5758

1.0051

248.8344,
271.3570, 369.5993

■ 0.0000, 0.0000,
0.0000

■ 31.0317, 35.0627,
58.5583

■ 31.0317, 35.0627,
58.5583

■ 27.3125, 31.1233,
57.9946

■ 35.3985, 39.4628,
59.1781

■ 24.2001, 27.6189,
57.4822

■ 40.4436, 44.3393,
59.8534

■ 21.6539, 24.5274,
57.0197

■ 46.2000, 49.7119,
60.5870

■ 19.6265, 21.8219,
56.6043

■ 52.6972, 55.5979,
61.3807

■ 18.0616, 19.4710,
56.2330

■ 59.9629, 62.0136,
62.2361

■ 16.9984, 17.6877,
55.9449

■ 68.0236, 68.9745,
63.1549

■ 76.9042, 76.4954,
64.1385

■ 79.1259, 80.7227,
64.8374

■ 81.2970, 85.0649,
65.5611

Harmonies

Analogous

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



28.4827, 35.0627, 51.2808



31.0317, 35.0627, 58.5583



34.3669, 35.0627, 59.9148

Triad

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



31.0317, 35.0627, 58.5583



40.2380, 35.0627, 35.3023



29.3612, 35.0627, 25.3571

Complementary

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



31.0317, 35.0627, 58.5583



37.0316, 34.4471, 21.2212

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.



32.3065, 35.0627, 22.4587



31.0317, 35.0627, 58.5583



38.6895, 35.0627, 27.5209

Square

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



31.0317, 35.0627, 58.5583



39.8386, 35.0627, 45.3079



35.7308, 35.0627, 23.1768



27.5650, 35.0627, 31.8371

Rectangle

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



31.0317, 35.0627, 58.5583



36.6138, 35.0627, 57.0858



35.7308, 35.0627, 23.1768



30.2413, 35.0627, 23.9866

Sweetspot

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



31.0328, 35.0640, 58.5591



80.9828, 87.2678, 107.1839



32.6979, 46.2221, 34.9818



17.0313, 18.3998, 22.9038



0.0000, 0.0000, 0.0000



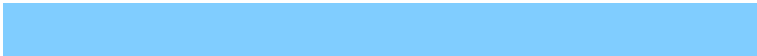
20.3446, 21.4041, 23.3091

Same Dimension

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



31.0328, 35.0640, 58.5591



48.7672, 55.5508, 102.7598



24.8020, 22.6024, 56.4822



10.5858, 11.3457, 13.5495



11.1396, 11.6730, 36.4104



0.5964, 0.6906, 1.7470

Inverse Universe

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



36.4179, 27.2507, 39.4184



59.9433, 40.9879, 62.6654



44.5177, 49.4193, 23.7165



10.9010, 10.7438, 12.4618



17.4221, 8.7184, 12.6984



0.8597, 0.4267, 0.7845

Previews

White Background



This preview shows how the XYZ color 31.0317, 35.0627, 58.5583 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 31.0317, 35.0627, 58.5583 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 31.0317, 35.0627, 58.5583

Background



This preview shows how black text looks on a background with the XYZ color 31.0317, 35.0627, 58.5583.

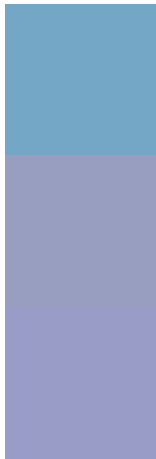


This preview shows how white text looks on a background with the XYZ color 31.0317, 35.0627,

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

31.0317, 35.0627, 58.5583

Protanopia

34.6902, 34.9349, 54.7839

Deuteranopia

35.6402, 34.8171, 59.4855



Tritanopia

29.3136, 35.1981, 49.5049

Trichromacy



Original Color

31.0317, 35.0627, 58.5583

Protanomaly

33.1299, 34.8737, 56.0241

Deuteranomaly

33.6948, 34.8406, 58.9818

Tritanomaly

29.8898, 35.1468, 52.7856

Monochromacy



Original Color

31.0317, 35.0627, 58.5583

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.7333, 33.3993, 43.3550

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0317, 35.0627, 58.5583 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(116, 166, 198)` looks like.

```
.text, #text, p{  
    color:rgb(116, 166, 198)  
}
```

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(116, 166, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 166, 198) }
```

Border

The CSS property to change the border of an element to XYZ 31.0317, 35.0627, 58.5583 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(116, 166, 198) }
```


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

```
.border{ border-color:rgb(116, 166, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 166, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 166, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 166, 198);  
box-shadow:4px 4px 4px 4px rgb(116, 166,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0317, 35.0627, 58.5583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 166, 198) }
```

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

```
.background{ background-color: rgb(116,  
166, 198) }
```

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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