

Converting Colors

XYZ(35.0682, 38.1909, 67.5798)

Have a look what the booklet for
XYZ(35.0682, 38.1909, 67.5798)
contains.

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Color

**XYZ(35.1990, 38.3913,
67.8424)**

Conversions

Conversions Part 1

Format	Color
Hex	7FABD4
RGB	127, 171, 212
RGB Percent	50%, 67%, 83%
CMY	0.5019, 0.3294, 0.1686
CMYK	0.40, 0.19, 0.00, 0.17
HSL	209°, 50%, 66%
HSV	209°, 40%, 83%
XYZ	35.1990, 38.3913, 67.8424
YIQ	162.5180, -39.3850, 3.4230

Conversions

Conversions Part 2

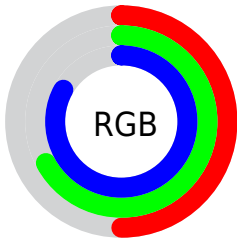
Format	Color
RYB	127, 156, 212
Decimal	8367060
CIELab	68.31, -4.34, -25.46
CIELCh	68, 25.830, 260.335
Yxy	38.3913, 0.2489, 0.2714
Android (android.graphics.Color)	4286557140 (0xFF7FABD4)
YUV	162.5180, 24.3946, -31.1493
Hunter-Lab	61.9607, -7.0279, -21.5457

Details

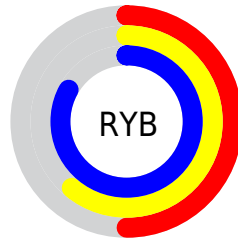
The XYZ color **35.1990, 38.3913, 67.8424** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **44.9857, 43.5357, 26.1123**, and the grayscale version is **34.4890, 36.2851, 39.5145**.

A 20% lighter version of the original color is **64.5378, 71.5578, 105.0183**, and **15.4303, 17.0444, 34.3749** is the 20% darker color. If you saturate the color by 10%, you get **30.5103, 33.2176, 67.0916**, and if you desaturate by 10%, it is **40.7039, 44.2093, 68.6759**.

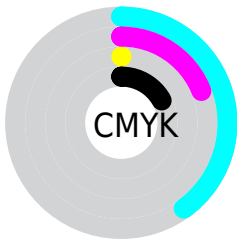
Distribution



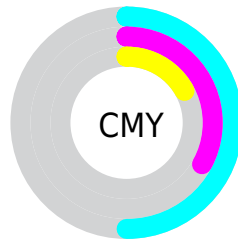
- Red (50%)
- Green (67%)
- Blue (83%)



- Red (50%)
- Yellow (61%)
- Blue (83%)



- Cyan (40%)
- Magenta (19%)
- Yellow (0%)
- Black (17%)



- Cyan (50%)
- Magenta (33%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.1990, 38.3913, 67.8424 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 35.1990, 38.3913, 67.8424 by changing the saturation by 10% instead.

■ 35.1990, 38.3913,
67.8424

■ 35.1990, 38.3913,
67.8424

316.9385,
339.2956, 471.5203

■ 23.9834, 26.2865,
49.3036

■ 67.1259, 72.7075,
117.7787

■ 15.4460, 17.0381,
34.4931

■ 88.5680, 95.6877,
150.0134

■ 9.2213, 10.2617,
22.9923

■ 114.1496,
123.0619, 187.6504

■ 4.9441, 5.5728,
14.3825

144.2362,
155.2144, 231.1084

■ 2.2489, 2.5871,
8.2454

179.1930,
192.5296, 280.8058

■ 0.7683, 0.9202,
4.1624

219.3854,

■ 0.0000, 0.0000,

235.3919, 337.1613

1.7148

265.1788,
284.1858, 400.5933

■ 0.0000, 0.0000,
0.3709

■ 0.0000, 0.0000,
0.0000

■ 35.1990, 38.3913,
67.8424

■ 35.1990, 38.3913,
67.8424

■ 30.5103, 33.2176,
67.0916

■ 40.7039, 44.2093,
68.6759

■ 26.5888, 28.6554,
66.4177

■ 47.0629, 50.6935,
69.5924

■ 23.3853, 24.6750,
65.8182

■ 54.3159, 57.8699,
70.5953

■ 20.8429, 21.2418,
65.2896

■ 62.4989, 65.7616,
71.6872

■ 18.8944, 18.3156,
64.8274

■ 71.6459, 74.3906,
72.8707

■ 17.4320, 15.8499,
64.4286

■ 81.7892, 83.7779,
74.1480

■ 85.0499, 89.8658,
75.1512

■ 88.1890, 96.1439,
76.1976

■ 88.8838, 97.5335,
76.4292

Harmonies

Analogous

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



31.7451, 38.3913, 61.4093



35.1990, 38.3913, 67.8424



39.2611, 38.3913, 66.3719

Triad

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



35.1990, 38.3913, 67.8424



44.2829, 38.3913, 34.5260



30.8218, 38.3913, 29.1301

Complementary

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



35.1990, 38.3913, 67.8424



44.9857, 43.5357, 26.1123

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.



33.8520, 38.3913, 24.1946



35.1990, 38.3913, 67.8424



41.6851, 38.3913, 26.8870

Square

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



35.1990, 38.3913, 67.8424



44.7104, 38.3913, 45.6555



37.8117, 38.3913, 23.4573



29.3442, 38.3913, 38.1709

Rectangle

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



35.1990, 38.3913, 67.8424



41.7613, 38.3913, 61.1929



37.8117, 38.3913, 23.4573



31.6816, 38.3913, 27.0120

Sweetspot

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



35.2003, 38.3928, 67.8433



80.1454, 85.5930, 106.9047



39.2412, 54.3776, 44.8268



16.8341, 18.0055, 22.8381



0.0000, 0.0000, 0.0000



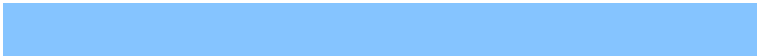
20.3446, 21.4041, 23.3091

Same Dimension

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



35.2003, 38.3928, 67.8433



47.3909, 51.6361, 102.0767



28.5978, 25.1879, 65.6425



12.2690, 13.0614, 15.8120



10.8624, 9.9866, 39.8083



0.7379, 0.7678, 2.4286

Inverse Universe

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



42.0925, 32.1174, 42.5103



59.5322, 41.9095, 57.1527



53.8243, 61.2129, 29.0585



12.6890, 12.5271, 14.3024



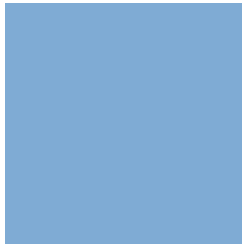
18.5417, 9.3530, 10.1566



1.1601, 0.5808, 0.8325

Previews

White Background



This preview shows how the XYZ color 35.1990, 38.3913, 67.8424 looks on a white background.

Color Contrast Check

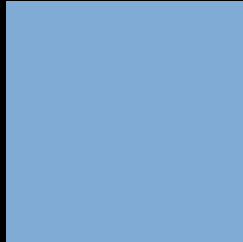
Large Text (above 18pt) WCAG AA × Fail

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 35.1990, 38.3913, 67.8424 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

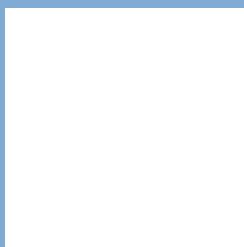
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.1990, 38.3913, 67.8424

Background



This preview shows how black text looks on a background with the XYZ color 35.1990, 38.3913, 67.8424.

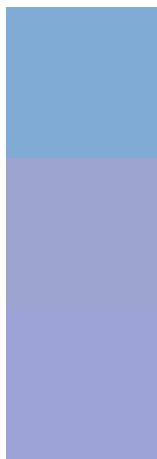


This preview shows how white text looks on a background with the XYZ color 35.1990, 38.3913,

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

35.1990, 38.3913, 67.8424

Protanopia

38.2482, 38.1238, 64.3742

Deuteranopia

39.1394, 38.2175, 68.9322



Tritanopia

32.4004, 38.3990, 53.8482

Trichromacy



Original Color

35.1990, 38.3913, 67.8424

Protanomaly

37.0044, 38.2606, 65.7563

Deuteranomaly

37.5005, 38.1875, 68.3452

Tritanomaly

33.3825, 38.5143, 58.4979

Monochromacy



Original Color

35.1990, 38.3913, 67.8424

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.5544, 37.0927, 49.0545

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.1990, 38.3913, 67.8424 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(127, 171, 212)` looks like.

```
.text, #text, p{  
    color:rgb(127, 171, 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(127, 171, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 171, 212) }
```

Border

The CSS property to change the border of an element to XYZ 35.1990, 38.3913, 67.8424 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(127, 171, 212) }
```


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

```
.border{ border-color:rgb(127, 171, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 171, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 171, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 171, 212);  
box-shadow:4px 4px 4px 4px rgb(127, 171,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 35.1990, 38.3913, 67.8424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 171, 212) }
```

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

```
.background{ background-color: rgb(127,  
171, 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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