

Converting Colors

XYZ(35.4067, 38.5498, 80.1195)

Have a look what the booklet for
XYZ(35.4067, 38.5498, 80.1195)
contains.

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Color

**XYZ(35.4659, 38.5332,
80.4313)**

Conversions

Conversions Part 1

Format	Color
Hex	6EACE6
RGB	110, 172, 230
RGB Percent	43%, 67%, 90%
CMY	0.5686, 0.3255, 0.0980
CMYK	0.52, 0.25, 0.00, 0.10
HSL	209°, 71%, 67%
HSV	209°, 52%, 90%
XYZ	35.4659, 38.5332, 80.4313
YIQ	160.0740, -55.5700, 4.8940

Conversions

Conversions Part 2

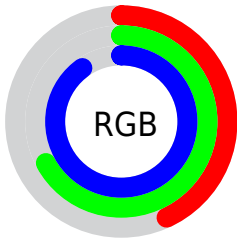
Format	Color
R _Y B	110, 151, 230
Decimal	7253222
CIE Lab	68.41, -3.88, -35.26
CIE LCh	68, 35.470, 263.723
Yxy	38.5332, 0.2297, 0.2495
Android (android.graphics.Color)	4285443302 (0xFF6EACE6)
YUV	160.0740, 34.4735, -43.9149
Hunter-Lab	62.0751, -6.6475, -33.3700

Details

The XYZ color **35.4659, 38.5332, 80.4313** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **49.4518, 45.9561, 21.0176**, and the grayscale version is **33.3135, 35.0483, 38.1677**.

A 20% lighter version of the original color is **61.6675, 70.4830, 104.9621**, and **15.5754, 17.1173, 42.5275** is the 20% darker color. If you saturate the color by 10%, you get **30.9390, 33.1895, 79.6392**, and if you desaturate by 10%, it is **40.9150, 44.6165, 81.3190**.

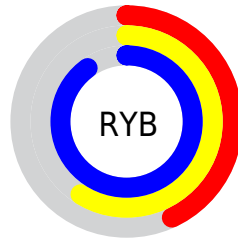
Distribution



Red (43%)

Green (67%)

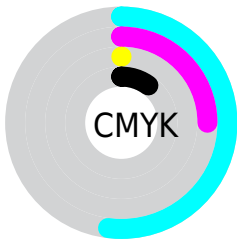
Blue (90%)



Red (43%)

Yellow (59%)

Blue (90%)

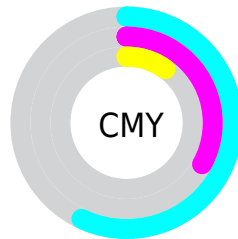


Cyan (52%)

Magenta (25%)

Yellow (0%)

Black (10%)



Cyan (57%)

Magenta (33%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.4659, 38.5332, 80.4313 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 35.4659, 38.5332, 80.4313 by changing the saturation by 10% instead.

■ 35.4659, 38.5332,
80.4313

■ 35.4659, 38.5332,
80.4313

318.0921,
339.9018, 516.1302

■ 24.1902, 26.3968,
59.5451

■ 67.5362, 72.9247,
135.7888

■ 15.6003, 17.1207,
42.6292

■ 89.0614, 95.9485,
171.0972

■ 9.3308, 10.3206,
29.2650

■ 114.7339,
123.3703, 212.0500

■ 5.0164, 5.6120,
19.0341

144.9190,
155.5743, 259.0659

■ 2.2917, 2.6106,
11.5179

179.9820,
192.9451, 312.5633

■ 0.7904, 0.9320,
6.2978

220.2883,

■ 0.0000, 0.0000,

235.8670, 372.9608

2.9553

266.2032,
284.7244, 440.6769

■ 0.0000, 0.0000,
1.0718

■ 0.0000, 0.0000,
0.0000

■ 35.4659, 38.5332,
80.4313

■ 35.4659, 38.5332,
80.4313

■ 30.9390, 33.1895,
79.6392

■ 40.9150, 44.6165,
81.3190

■ 27.2673, 28.5423,
78.9357

■ 47.3390, 51.4706,
82.3034

■ 24.3800, 24.5493,
78.3172

■ 54.7909, 59.1295,
83.3890

■ 22.1913, 21.1591,
77.7782

■ 63.3185, 67.6237,
84.5791

■ 20.8599, 18.8669,
77.4059

■ 72.9664, 76.9817,
85.8769

■ 83.7768, 87.2307,
87.2853

■ 89.6530, 95.2332,
88.5203

■ 91.2831, 98.4932,
89.0636

Harmonies

Analogous

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



30.6455, 38.5332, 71.8627



35.4659, 38.5332, 80.4313



41.1050, 38.5332, 76.7722

Triad

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



35.4659, 38.5332, 80.4313



47.3320, 38.5332, 30.7854



28.6506, 38.5332, 26.2969

Complementary

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



35.4659, 38.5332, 80.4313



49.4518, 45.9561, 21.0176

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.



32.4823, 38.5332, 19.6723



35.4659, 38.5332, 80.4313



43.3350, 38.5332, 21.7669

Square

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



35.4659, 38.5332, 80.4313



48.3366, 38.5332, 45.4005



37.8084, 38.5332, 18.2544



26.9761, 38.5332, 38.6905

Rectangle

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



35.4659, 38.5332, 80.4313



44.5378, 38.5332, 68.2594



37.8084, 38.5332, 18.2544



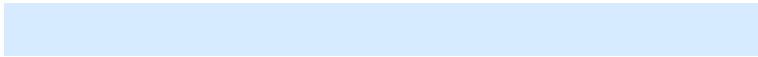
29.7091, 38.5332, 23.4622

Sweetspot

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



35.4672, 38.5346, 80.4322



75.6284, 81.1232, 106.2800



41.7965, 62.7369, 46.9541



15.7099, 16.8879, 22.6816



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.



35.4672, 38.5346, 80.4322



38.4937, 41.2014, 100.5316



26.5091, 20.6183, 77.4462



14.1956, 15.1127, 18.3132



11.9327, 10.9275, 43.8635



0.9747, 0.9934, 3.2723

Inverse Universe

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



45.6567, 30.9550, 42.5995



53.2448, 32.5161, 45.2486



63.1920, 73.4365, 25.5977



14.6863, 14.4917, 16.5487



20.4166, 10.3009, 11.0887



1.5556, 0.7800, 1.0664

Previews

White Background



This preview shows how the XYZ color 35.4659, 38.5332, 80.4313 looks on a white background.

Color Contrast Check

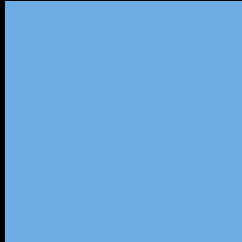
Large Text (above 18pt) WCAG AA × Fail

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 35.4659, 38.5332, 80.4313 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 35.4659, 38.5332, 80.4313

Background



This preview shows how black text looks on a background with the XYZ color 35.4659, 38.5332, 80.4313.

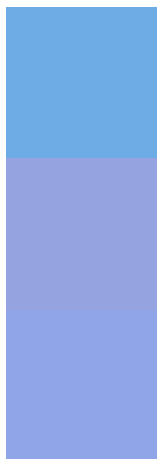


This preview shows how white text looks on a background with the XYZ color 35.4659, 38.5332,

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

35.4659, 38.5332, 80.4313

Protanopia

39.1244, 38.3223, 75.8559

Deuteranopia

39.3425, 38.3064, 81.6642



Tritanopia

30.6755, 38.6318, 56.2920

Trichromacy



Original Color

35.4659, 38.5332, 80.4313

Protanomaly

37.5379, 38.2793, 77.3617

Deuteranomaly

37.7582, 38.3125, 81.0063

Tritanomaly

32.1454, 38.3317, 64.0970

Monochromacy



Original Color

35.4659, 38.5332, 80.4313

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.1877, 35.8045, 51.0607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4659, 38.5332, 80.4313 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, 172, 230)` looks like.

```
.text, #text, p{  
    color:rgb(110, 172, 230)  
}
```

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, 172, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 172, 230) }
```

Border

The CSS property to change the border of an element to XYZ 35.4659, 38.5332, 80.4313 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, 172, 230) }
```


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

```
.border{ border-color:rgb(110, 172, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 172, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 172, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 172, 230);  
box-shadow:4px 4px 4px 4px rgb(110, 172,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 35.4659, 38.5332, 80.4313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 172, 230) }
```

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

```
.background{ background-color: rgb(110,  
172, 230) }
```

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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