

Converting Colors

XYZ(35.8496, 38.8634, 58.6346)

Have a look what the booklet for
XYZ(35.8496, 38.8634, 58.6346)
contains.

XYZ(35.7963, 38.9078, 58.4466)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(35.7963, 38.9078,
58.4466)**

Conversions

Conversions Part 1

Format	Color
Hex	8EABC5
RGB	142, 171, 197
RGB Percent	56%, 67%, 77%
CMY	0.4431, 0.3294, 0.2274
CMYK	0.28, 0.13, 0.00, 0.23
HSL	208°, 32%, 66%
HSV	208°, 28%, 77%
XYZ	35.7963, 38.9078, 58.4466
YIQ	165.2930, -25.6300, 1.9380

Conversions

Conversions Part 2

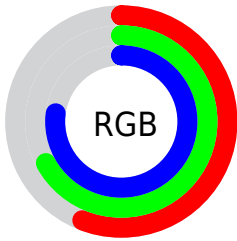
Format	Color
R_{YB}	142, 161, 197
Decimal	9350085
CIE _{Lab}	68.68, -3.94, -16.53
CIE _{LCh}	69, 16.996, 256.599
Yxy	38.9078, 0.2688, 0.2922
Android (android.graphics.Color)	4287540165 (0xFF8EABC5)
YUV	165.2930, 15.6316, -20.4280
Hunter-Lab	62.3761, -6.7209, -11.8916

Details

The XYZ color **35.7963, 38.9078, 58.4466** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **41.9117, 41.8290, 31.4571**, and the grayscale version is **35.8419, 37.7084, 41.0645**.

A 20% lighter version of the original color is **68.1117, 73.4188, 104.3473**, and **15.7712, 17.3505, 28.5043** is the 20% darker color. If you saturate the color by 10%, you get **31.0131, 33.9229, 57.7372**, and if you desaturate by 10%, it is **41.3032, 44.4516, 59.2271**.

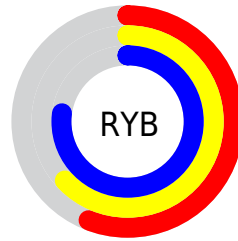
Distribution



Red (56%)

Green (67%)

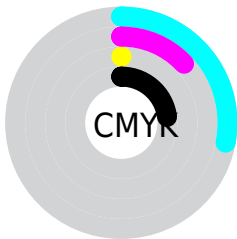
Blue (77%)



Red (56%)

Yellow (63%)

Blue (77%)

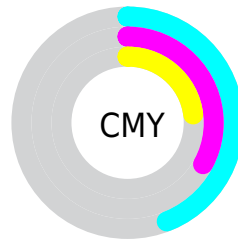


Cyan (28%)

Magenta (13%)

Yellow (0%)

Black (23%)



Cyan (44%)

Magenta (33%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.7963, 38.9078, 58.4466 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 35.7963, 38.9078, 58.4466 by changing the saturation by 10% instead.

■ 35.7963, 38.9078,
58.4466

■ 35.7963, 38.9078,
58.4466

319.5161,
341.4983, 436.4927

■ 24.4463, 26.6880,
41.7507

■ 68.0435, 73.4974,
104.0941

■ 15.7915, 17.3390,
28.5820

■ 89.6714, 96.6361,
133.8828

■ 9.4667, 10.4765,
18.5220

115.4559,
124.1831, 168.8729

■ 5.1063, 5.7160,
11.1521

145.7625,
156.5230, 209.4829

■ 2.3452, 2.6732,
6.0538

180.9564,
194.0401, 256.1313

■ 0.8176, 0.9636,
2.8085

221.4031,

■ 0.0000, 0.0000,

237.1187, 309.2367

0.9977

267.4679,
286.1433, 369.2177

■ 0.0000, 0.0000,
0.0000

■ 35.7963, 38.9078,
58.4466

■ 35.7963, 38.9078,
58.4466

■ 31.0131, 33.9229,
57.7372

■ 41.3032, 44.4516,
59.2271

■ 26.9160, 29.4710,
57.0938

■ 47.5618, 50.5697,
60.0781

■ 23.4693, 25.5307,
56.5149

■ 54.6029, 57.2824,
61.0027

■ 20.6322, 22.0770,
55.9978

■ 62.4545, 64.6075,
62.0027

■ 18.3588, 19.0821,
55.5396

■ 71.1431, 72.5621,
63.0802

■ 16.5957, 16.5141,
55.1368

■ 78.7536, 80.1622,
64.1460

■ 15.2647, 14.3282,
54.7850

■ 81.3681, 85.3912,
65.0176

■ 15.0162, 13.9074,
54.7169

■ 84.1225, 90.9000,
65.9357

■ 87.0188, 96.6925,
66.9011

Harmonies

Analogous

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



33.5436, 38.9078, 54.0476



35.7963, 38.9078, 58.4466



38.4761, 38.9078, 58.1822

Triad

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



35.7963, 38.9078, 58.4466



42.1554, 38.9078, 38.2767



33.3530, 38.9078, 32.9901

Complementary

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



35.7963, 38.9078, 58.4466



41.9117, 41.8290, 31.4571

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.



35.5246, 38.9078, 29.7090



35.7963, 38.9078, 58.4466



40.6449, 38.9078, 32.4985

Square

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



35.7963, 38.9078, 58.4466



42.2368, 38.9078, 45.8862



38.1909, 38.9078, 29.5406



32.1798, 38.9078, 39.0268

Rectangle

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



35.7963, 38.9078, 58.4466



40.1468, 38.9078, 55.3859



38.1909, 38.9078, 29.5406



33.9856, 38.9078, 31.5621

Sweetspot

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



35.7975, 38.9094, 58.4475



84.9395, 90.3351, 107.5674



38.1594, 48.4988, 44.2342



17.7958, 18.9633, 22.9723



0.0000, 0.0000, 0.0000



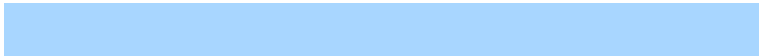
20.3446, 21.4041, 23.3091

Same Dimension

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



35.7975, 38.9094, 58.4475



58.3132, 63.6794, 103.8257



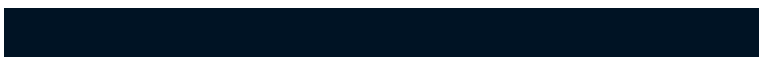
31.1824, 29.6792, 56.9091



10.5118, 11.1977, 13.5248



9.9610, 9.3159, 36.0175



0.5438, 0.5854, 1.7295

Inverse Universe

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



40.0507, 34.1577, 43.0119



67.4378, 54.2321, 70.5430



47.4617, 52.9290, 33.3071



10.8636, 10.7288, 12.2650



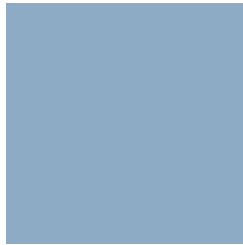
16.8272, 8.4804, 9.5657



0.8332, 0.4161, 0.6447

Previews

White Background



This preview shows how the XYZ color 35.7963, 38.9078, 58.4466 looks on a white background.

Color Contrast Check

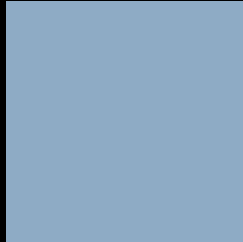
Large Text (above 18pt) WCAG AA × Fail

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 35.7963, 38.9078, 58.4466 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

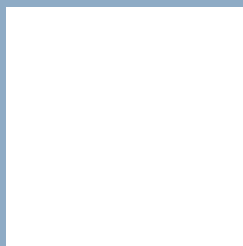
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.7963, 38.9078, 58.4466

Background



This preview shows how black text looks on a background with the XYZ color 35.7963, 38.9078, 58.4466.



This preview shows how white text looks on a background with the XYZ color 35.7963, 38.9078,

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

35.7963, 38.9078, 58.4466

Protanopia

38.2741, 38.8489, 56.5203

Deuteranopia

39.5544, 38.6427, 59.4069



Tritanopia

34.7284, 39.0504, 52.7208

Trichromacy



Original Color

35.7963, 38.9078, 58.4466

Protanomaly

37.3705, 38.9140, 57.1713

Deuteranomaly

38.1273, 38.7206, 58.8904

Tritanomaly

35.1410, 38.9294, 54.9522

Monochromacy



Original Color

35.7963, 38.9078, 58.4466

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.6592, 37.9799, 47.0464

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7963, 38.9078, 58.4466 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(142, 171, 197)` looks like.

```
.text, #text, p{  
    color:rgb(142, 171, 197)  
}
```

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(142, 171, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 171, 197) }
```

Border

The CSS property to change the border of an element to XYZ 35.7963, 38.9078, 58.4466 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(142, 171, 197) }
```


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

```
.border{ border-color:rgb(142, 171, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 171, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 171, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 171, 197);  
box-shadow:4px 4px 4px 4px rgb(142, 171,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7963, 38.9078, 58.4466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 171, 197) }
```

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

```
.background{ background-color: rgb(142,  
171, 197) }
```

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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