

Converting Colors

XYZ(35.7319, 38.4186, 67.0520)

Have a look what the booklet for
XYZ(35.7319, 38.4186, 67.0520)
contains.

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Color

**XYZ(35.8055, 38.4391,
67.1604)**

Conversions

Conversions Part 1

Format	Color
Hex	85AAD3
RGB	133, 170, 211
RGB Percent	52%, 67%, 83%
CMY	0.4784, 0.3333, 0.1725
CMYK	0.37, 0.19, 0.00, 0.17
HSL	212°, 47%, 67%
HSV	212°, 37%, 83%
XYZ	35.8055, 38.4391, 67.1604
YIQ	163.6110, -35.2130, 4.9070

Conversions

Conversions Part 2

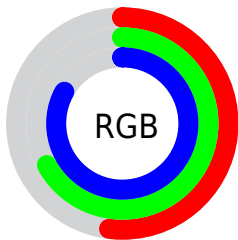
Format	Color
RYB	133, 158, 211
Decimal	8760019
CIELab	68.34, -2.44, -24.83
CIELCh	68, 24.948, 264.395
Yxy	38.4391, 0.2532, 0.2718
Android (android.graphics.Color)	4286950099 (0xFF85AAD3)
YUV	163.6110, 23.3628, -26.8458
Hunter-Lab	61.9993, -5.4123, -20.8261

Details

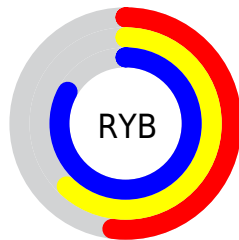
The XYZ color **35.8055, 38.4391, 67.1604** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **46.2347, 45.8155, 28.5982**, and the grayscale version is **35.0075, 36.8307, 40.1086**.

A 20% lighter version of the original color is **65.7143, 71.7618, 104.9956**, and **15.7874, 17.0626, 33.9138** is the 20% darker color. If you saturate the color by 10%, you get **30.8108, 32.9076, 66.3566**, and if you desaturate by 10%, it is **41.6472, 44.6694, 68.0558**.

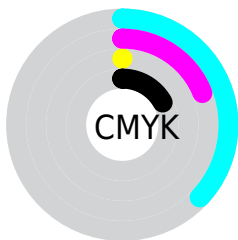
Distribution



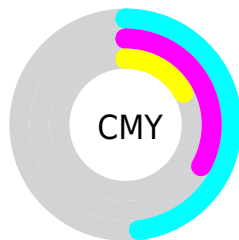
- Red (52%)
- Green (67%)
- Blue (83%)



- Red (52%)
- Yellow (62%)
- Blue (83%)



- Cyan (37%)
- Magenta (19%)
- Yellow (0%)
- Black (17%)



- Cyan (48%)
- Magenta (33%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8055, 38.4391, 67.1604 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 35.8055, 38.4391, 67.1604 by changing the saturation by 10% instead.

■ 35.8055, 38.4391,
67.1604

■ 35.8055, 38.4391,
67.1604

319.5557,
339.4999, 469.0325

■ 24.4534, 26.3237,
48.7526

■ 68.0576, 72.7807,
116.7930

■ 15.7969, 17.0659,
34.0590

■ 89.6883, 95.7756,
148.8550

■ 9.4705, 10.2815,
22.6612

■ 115.4760,
123.1658, 186.3053

■ 5.1089, 5.5860,
14.1406

145.7859,
155.3357, 229.5626

■ 2.3467, 2.5950,
8.0787

180.9835,
192.6696, 279.0455

■ 0.8184, 0.9242,
4.0568

221.4341,

■ 0.0000, 0.0000,

235.5520, 335.1724

1.6566

267.5031,
284.3673, 398.3619

■ 0.0000, 0.0000,
0.3307

■ 0.0000, 0.0000,
0.0000

■ 35.8055, 38.4391,
67.1604

■ 35.8055, 38.4391,
67.1604

■ 30.8108, 32.9076,
66.3566

■ 41.6472, 44.6694,
68.0558

■ 26.6149, 28.0410,
65.6384

■ 48.3733, 51.6213,
69.0431

■ 23.1698, 23.8089,
65.0031

■ 56.0233, 59.3221,
70.1263

■ 20.4203, 20.1759,
64.4468

■ 64.6331, 67.7960,
71.3081

■ 18.3027, 17.1017,
63.9650

■ 74.2367, 77.0661,
72.5913

■ 16.7340, 14.5361,
63.5525

■ 83.1517, 86.2707,
73.8981

■ 16.3239, 13.8350,
63.4388

■ 86.4548, 92.8768,
74.9991

■ 88.7580, 97.4832,
75.7668

Harmonies

Analogous

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



32.3288, 38.4391, 61.9242



35.8055, 38.4391, 67.1604



39.7307, 38.4391, 64.6963

Triad

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



35.8055, 38.4391, 67.1604



43.8222, 38.4391, 33.5722



30.7547, 38.4391, 30.5235

Complementary

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



35.8055, 38.4391, 67.1604



46.2347, 45.8155, 28.5982

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.



33.5158, 38.4391, 25.1412



35.8055, 38.4391, 67.1604



41.0915, 38.4391, 26.6690

Square

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



35.8055, 38.4391, 67.1604



44.5437, 38.4391, 43.9930



37.2748, 38.4391, 23.8675



29.5492, 38.4391, 39.7848

Rectangle

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



35.8055, 38.4391, 67.1604



42.0540, 38.4391, 59.2094



37.2748, 38.4391, 23.8675



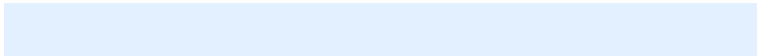
31.5217, 38.4391, 28.2715

Sweetspot

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



35.8067, 38.4406, 67.1613



80.9483, 86.0137, 106.9436



40.5402, 54.6048, 48.0919



16.9811, 18.0632, 22.8415



0.0000, 0.0000, 0.0000



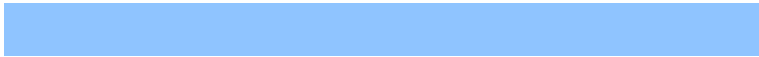
20.3446, 21.4041, 23.3091

Same Dimension

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



35.8067, 38.4406, 67.1613



49.0883, 52.5323, 102.1603



30.0261, 26.5727, 65.1752



11.6196, 12.3294, 15.0111



9.9525, 8.5516, 38.3186



0.6357, 0.6365, 2.1689

Inverse Universe

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



42.5083, 33.5276, 42.2627



60.9989, 44.8315, 57.6769



54.0218, 61.9405, 31.3002



12.0389, 11.9003, 13.4805



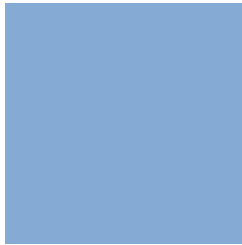
17.6543, 8.9346, 8.3516



1.0271, 0.5156, 0.6774

Previews

White Background



This preview shows how the XYZ color 35.8055, 38.4391, 67.1604 looks on a white background.

Color Contrast Check

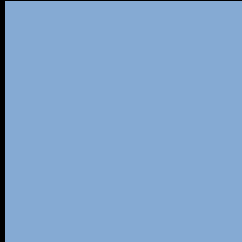
Large Text (above 18pt) WCAG AA × Fail

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 35.8055, 38.4391, 67.1604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

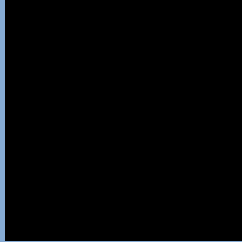
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

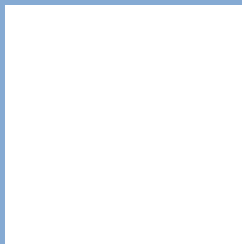
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.8055, 38.4391, 67.1604

Background



This preview shows how black text looks on a background with the XYZ color 35.8055, 38.4391, 67.1604.



This preview shows how white text looks on a background with the XYZ color 35.8055, 38.4391,

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

35.8055, 38.4391, 67.1604

Protanopia

38.2482, 38.1238, 64.3742

Deuteranopia

39.0814, 38.2170, 67.6042



Tritanopia

32.9655, 38.4150, 53.2543

Trichromacy



Original Color

35.8055, 38.4391, 67.1604

Protanomaly

37.2341, 38.1224, 65.0704

Deuteranomaly

37.9143, 38.4155, 67.7040

Tritanomaly

33.9606, 38.5398, 57.8736

Monochromacy



Original Color

35.8055, 38.4391, 67.1604

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

35.1136, 37.3809, 49.0806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8055, 38.4391, 67.1604 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(133, 170, 211)` looks like.

```
.text, #text, p{  
    color:rgb(133, 170, 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(133, 170, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 170, 211) }
```

Border

The CSS property to change the border of an element to XYZ 35.8055, 38.4391, 67.1604 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(133, 170, 211) }
```


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

```
.border{ border-color:rgb(133, 170, 211) }
```

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

Here you see how a box with a 4 pixel rgb(133, 170, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 170, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 170, 211);  
box-shadow:4px 4px 4px 4px rgb(133, 170,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8055, 38.4391, 67.1604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 170, 211) }
```

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

```
.background{ background-color: rgb(133,  
170, 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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