

Converting Colors

XYZ(35.8466, 40.7549, 67.6052)

Have a look what the booklet for
XYZ(35.8466, 40.7549, 67.6052)
contains.

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Color

**XYZ(35.8466, 40.7549,
67.6052)**

Conversions

Conversions Part 1

Format	Color
Hex	7BB2D3
RGB	123, 178, 211
RGB Percent	48%, 70%, 83%
CMY	0.5176, 0.3019, 0.1725
CMYK	0.42, 0.16, 0.00, 0.17
HSL	202°, 50%, 65%
HSV	202°, 42%, 83%
XYZ	35.8466, 40.7549, 67.6052
YIQ	165.3170, -43.3730, -1.3970

Conversions

Conversions Part 2

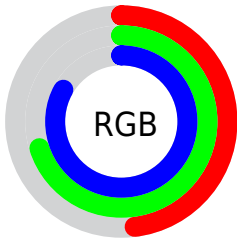
Format	Color
RYB	123, 157, 211
Decimal	8106707
CIELab	70.00, -9.46, -22.34
CIElCh	70, 24.260, 247.055
Yxy	40.7549, 0.2486, 0.2826
Android (android.graphics.Color)	4286296787 (0xFF7BB2D3)
YUV	165.3170, 22.5217, -37.1120
Hunter-Lab	63.8396, -11.4896, -18.0996

Details

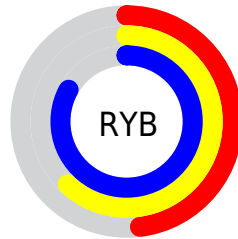
The XYZ color **35.8466, 40.7549, 67.6052** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **42.3283, 39.0566, 24.0477**, and the grayscale version is **35.8275, 37.6933, 41.0480**.

A 20% lighter version of the original color is **66.0632, 75.6493, 105.7276**, and **15.7183, 18.2965, 34.1556** is the 20% darker color. If you saturate the color by 10%, you get **31.6183, 36.3059, 66.9700**, and if you desaturate by 10%, it is **40.8188, 45.7240, 68.3030**.

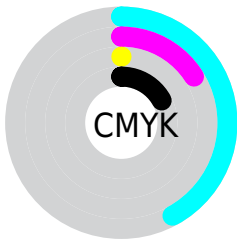
Distribution



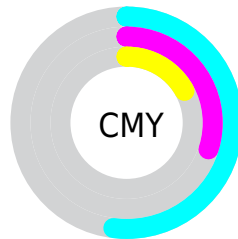
- Red (48%)
- Green (70%)
- Blue (83%)



- Red (48%)
- Yellow (62%)
- Blue (83%)



- Cyan (42%)
- Magenta (16%)
- Yellow (0%)
- Black (17%)



- Cyan (52%)
- Magenta (30%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8466, 40.7549, 67.6052 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 35.8466, 40.7549, 67.6052 by changing the saturation by 10% instead.

■ 35.8466, 40.7549,
67.6052

■ 35.8466, 40.7549,
67.6052

319.7325,
349.2952, 470.6560

■ 24.4853, 28.1276,
49.1119

■ 68.1207, 76.3117,
117.4360

■ 15.8207, 18.4219,
34.3421

■ 89.7641, 100.0100,
149.6107

■ 9.4874, 11.2533,
22.8770

■ 115.5657,
128.1674, 187.1829

■ 5.1201, 6.2375,
14.2983

145.8907,
161.1683, 230.5712

■ 2.3534, 2.9900,
8.1873

181.1046,
199.3972, 280.1941

■ 0.8218, 1.1265,
4.1255

221.5726,

■ 0.0000, 0.0004,

243.2383, 336.4702

1.6945

267.6601,
293.0762, 399.8179

■ 0.0000, 0.0000,
0.3569

■ 0.0000, 0.0000,
0.0000

■ 35.8466, 40.7549,
67.6052

■ 35.8466, 40.7549,
67.6052

■ 31.6183, 36.3059,
66.9700

■ 40.8188, 45.7240,
68.3030

■ 28.0863, 32.3475,
66.3921

■ 46.5709, 51.2313,
69.0628

■ 25.2032, 28.8539,
65.8698

■ 53.1411, 57.2995,
69.8878

■ 22.9133, 25.7940,
65.3998

■ 60.5639, 63.9485,
70.7800

■ 21.1503, 23.1311,
64.9788

■ 68.8716, 71.1969,
71.7412

■ 19.9928, 21.1728,
64.6618

■ 78.0949, 79.0627,
72.7733

■ 82.2472, 84.4615,
73.5966

■ 84.5426, 89.0523,
74.3617

■ 86.9397, 93.8466,
75.1608

Harmonies

Analogous

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



32.9787, 40.7549, 58.8357



35.8466, 40.7549, 67.6052



39.6779, 40.7549, 69.6894

Triad

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



35.8466, 40.7549, 67.6052



46.7844, 40.7549, 41.7534



34.3321, 40.7549, 29.1643

Complementary

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



35.8466, 40.7549, 67.6052



42.3283, 39.0566, 24.0477

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.



37.8097, 40.7549, 26.0799



35.8466, 40.7549, 67.6052



45.1279, 40.7549, 32.5023

Square

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



35.8466, 40.7549, 67.6052



46.1700, 40.7549, 53.4189



41.7773, 40.7549, 27.1885



32.1467, 40.7549, 36.4145

Rectangle

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



35.8466, 40.7549, 67.6052



42.2994, 40.7549, 66.7348



41.7773, 40.7549, 27.1885



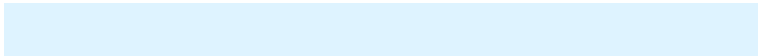
35.3792, 40.7549, 27.6676

Sweetspot

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



35.8479, 40.7565, 67.6062



80.0501, 86.5695, 107.0982



37.4024, 53.1759, 39.4217



16.6374, 18.0743, 22.8618



0.0000, 0.0000, 0.0000



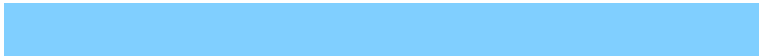
20.3446, 21.4041, 23.3091

Same Dimension

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



35.8479, 40.7565, 67.6062



49.2358, 56.4879, 102.9160



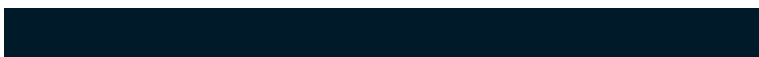
28.5541, 26.1689, 65.1749



11.7704, 12.6310, 15.0613



12.1668, 12.9802, 39.0567



0.7552, 0.8756, 2.2088

Inverse Universe

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



41.9839, 31.2303, 45.9364



60.1798, 41.0825, 63.9107



50.9248, 56.2495, 26.9132



12.1150, 11.9307, 13.8813



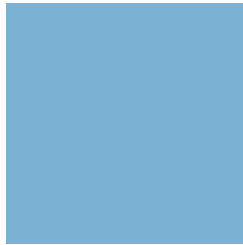
18.7720, 9.3816, 14.2372



1.0874, 0.5397, 0.9951

Previews

White Background



This preview shows how the XYZ color 35.8466, 40.7549, 67.6052 looks on a white background.

Color Contrast Check

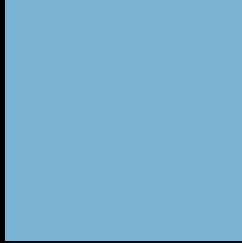
Large Text (above 18pt) WCAG AA × Fail

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 35.8466, 40.7549, 67.6052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

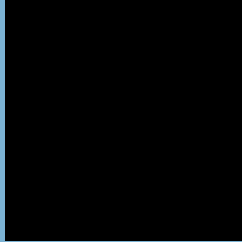
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.8466, 40.7549, 67.6052

Background



This preview shows how black text looks on a background with the XYZ color 35.8466, 40.7549, 67.6052.

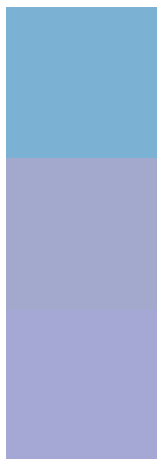


This preview shows how white text looks on a background with the XYZ color 35.8466, 40.7549,

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

35.8466, 40.7549, 67.6052

Protanopia

40.3117, 40.5702, 63.4638

Deuteranopia

41.3460, 40.4409, 68.5775



Tritanopia

33.9819, 40.9098, 57.7351

Trichromacy



Original Color

35.8466, 40.7549, 67.6052

Protanomaly

38.2278, 40.3059, 64.7965

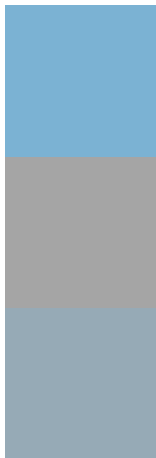
Deuteranomaly

39.0243, 40.3633, 68.0215

Tritanomaly

34.6096, 40.8526, 61.3196

Monochromacy



Original Color

35.8466, 40.7549, 67.6052

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.3959, 38.6109, 49.8431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8466, 40.7549, 67.6052 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(123, 178, 211)` looks like.

```
.text, #text, p{  
    color:rgb(123, 178, 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(123, 178, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 178, 211) }
```

Border

The CSS property to change the border of an element to XYZ 35.8466, 40.7549, 67.6052 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(123, 178, 211) }
```


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

```
.border{ border-color:rgb(123, 178, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 178, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 178, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 178, 211);  
box-shadow:4px 4px 4px 4px rgb(123, 178,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8466, 40.7549, 67.6052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 178, 211) }
```

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

```
.background{ background-color: rgb(123,  
178, 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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