

Converting Colors

XYZ(38.4586, 50.6259, 66.4892)

Have a look what the booklet for
XYZ(38.4586, 50.6259, 66.4892)
contains.

XYZ(38.4489, 50.5743, 66.7668)	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(38.4489, 50.5743,
66.7668)**

Conversions

Conversions Part 1

Format	Color
Hex	67CCCF
RGB	103, 204, 207
RGB Percent	40%, 80%, 81%
CMY	0.5961, 0.2000, 0.1882
CMYK	0.50, 0.01, 0.00, 0.19
HSL	182°, 52%, 61%
HSV	182°, 50%, 81%
XYZ	38.4489, 50.5743, 66.7668
YIQ	174.1430, -61.1590, -20.4790

Conversions

Conversions Part 2

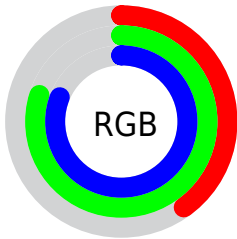
Format	Color
RYB	103, 154, 207
Decimal	6802639
CIELab	76.42, -28.58, -10.57
CIElCh	76, 30.468, 200.296
Yxy	50.5743, 0.2468, 0.3246
Android (android.graphics.Color)	4284992719 (0xFF67CCCF)
YUV	174.1430, 16.1985, -62.3924
Hunter-Lab	71.1156, -27.9457, -5.8834

Details

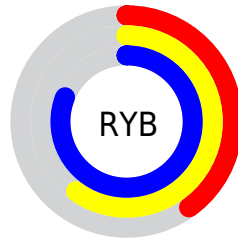
The XYZ color **38.4489, 50.5743, 66.7668** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.3353, 24.5537, 15.8157**, and the grayscale version is **40.2489, 42.3450, 46.1137**.

A 20% lighter version of the original color is **68.5079, 86.3171, 107.6579**, and **17.2965, 24.2069, 33.8978** is the 20% darker color. If you saturate the color by 10%, you get **36.2210, 49.2168, 66.6231**, and if you desaturate by 10%, it is **41.2681, 52.2398, 66.9406**.

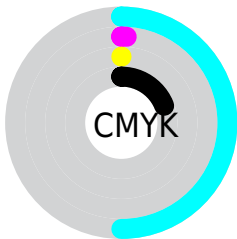
Distribution



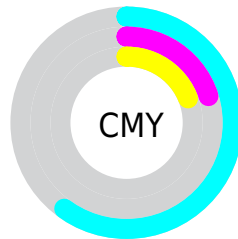
- Red (40%)
- Green (80%)
- Blue (81%)



- Red (40%)
- Yellow (60%)
- Blue (81%)



- Cyan (50%)
- Magenta (1%)
- Yellow (0%)
- Black (19%)




- Cyan (60%)
- Magenta (20%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4489, 50.5743, 66.7668 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 38.4489, 50.5743, 66.7668 by changing the saturation by 10% instead.


 38.4489, 50.5743,
66.7668


 38.4489, 50.5743,
66.7668

330.7894,
388.9076, 467.5931


 26.5101, 35.8699,
48.4347

 72.0951, 91.0252,
116.2237


 17.3403, 24.3338,
33.8089


 94.5333, 117.5405,
148.1855

 10.5742, 15.5814,
22.4706


 121.2019,
148.7616, 185.5278

 5.8465, 9.2284,
14.0015

 152.4663,
185.0729, 228.6689

 2.7917, 4.8905,
7.9829

188.6919,
226.8587, 278.0275

 1.0446, 2.1831,
3.9964

230.2440,

 0.0000, 0.7108,

274.5035, 334.0220

1.6234

277.4881,
328.3917, 397.0710

■ 0.0000, 0.0000,
0.3074

■ 0.0000, 0.0000,
0.0000

■ 38.4489, 50.5743,
66.7668

■ 38.4489, 50.5743,
66.7668

■ 36.2210, 49.2168,
66.6231

■ 41.2681, 52.2398,
66.9406

■ 34.5356, 48.1386,
66.5038

■ 44.7136, 54.2278,
67.1427

■ 33.3439, 47.3157,
66.4078

■ 48.8233, 56.5590,
67.3761

■ 32.5859, 46.7172,
66.3322

■ 53.6306, 59.2506,
67.6422

■ 32.1572, 46.2942,
66.2732

■ 59.1666, 62.3188,
67.9427

■ 65.4607, 65.7785,
68.2787

■ 72.5407, 69.6442,
68.6517

■ 75.2485, 71.2568,
68.8203

■ 75.3950, 71.5498,
68.8691

Harmonies

Analogous

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



37.9966, 50.5743, 49.9124



38.4489, 50.5743, 66.7668



41.3621, 50.5743, 83.1198

Triad

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



38.4489, 50.5743, 66.7668



57.0642, 50.5743, 77.8109



49.9525, 50.5743, 29.4304

Complementary

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



38.4489, 50.5743, 66.7668



33.3353, 24.5537, 15.8157

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.



55.4651, 50.5743, 34.1641



38.4489, 50.5743, 66.7668



59.7814, 50.5743, 60.5644

Square

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



38.4489, 50.5743, 66.7668



51.9977, 50.5743, 90.3244



59.1740, 50.5743, 44.8203



44.3440, 50.5743, 30.4357

Rectangle

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



38.4489, 50.5743, 66.7668



44.4457, 50.5743, 90.4799



59.1740, 50.5743, 44.8203



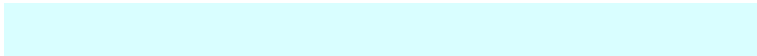
51.8847, 50.5743, 30.3604

Sweetspot

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



38.4504, 50.5762, 66.7680



82.0002, 92.7519, 108.1888



30.4436, 48.5247, 21.0559



17.2049, 19.6585, 23.1376



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.



38.4504, 50.5762, 66.7680



57.8985, 78.7828, 106.7628



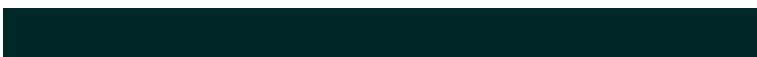
28.2922, 30.2599, 63.3819



12.1279, 13.3462, 15.1805



20.2728, 29.1922, 41.7587



1.1429, 1.6510, 2.3380

Inverse Universe

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



41.4827, 27.3269, 60.2171



63.3393, 37.7019, 94.8666



40.1934, 38.2698, 18.1017



12.2955, 12.0029, 14.8318



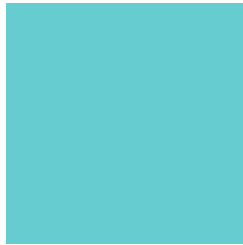
22.8635, 11.0182, 35.7830



1.2831, 0.6180, 2.0257

Previews

White Background



This preview shows how the XYZ color 38.4489, 50.5743, 66.7668 looks on a white background.

Color Contrast Check

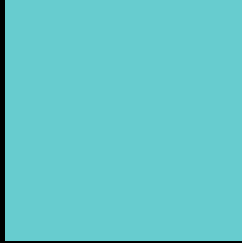
Large Text (above 18pt) WCAG AA × Fail

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 38.4489, 50.5743, 66.7668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

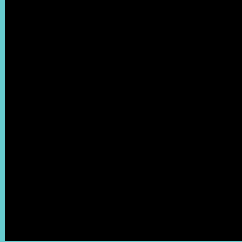
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.4489, 50.5743, 66.7668

Background



This preview shows how black text looks on a background with the XYZ color 38.4489, 50.5743, 66.7668.

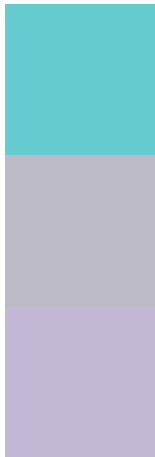


This preview shows how white text looks on a background with the XYZ color 38.4489, 50.5743,

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

38.4489, 50.5743, 66.7668

Protanopia

48.2617, 49.7947, 59.2922

Deuteranopia

51.0653, 50.0898, 69.2642



Tritanopia

39.9701, 50.4813, 74.6551

Trichromacy



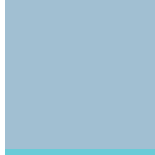
Original Color

38.4489, 50.5743, 66.7668



Protanomaly

43.3999, 49.4782, 61.9064



Deuteranomaly

44.9616, 49.4918, 68.1559



Tritanomaly

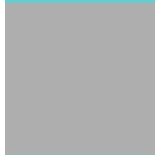
39.5655, 50.6823, 71.9873

Monochromacy



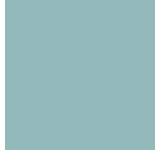
Original Color

38.4489, 50.5743, 66.7668



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

38.4246, 44.5390, 53.0261

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4489, 50.5743, 66.7668 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(103, 204, 207)` looks like.

```
.text, #text, p{  
    color:rgb(103, 204, 207)  
}
```

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(103, 204, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 204, 207) }
```

Border

The CSS property to change the border of an element to XYZ 38.4489, 50.5743, 66.7668 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(103, 204, 207) }
```


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

```
.border{ border-color:rgb(103, 204, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 204, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 204, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 204, 207);  
box-shadow:4px 4px 4px 4px rgb(103, 204,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4489, 50.5743, 66.7668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 204, 207) }
```

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

```
.background{ background-color: rgb(103,  
204, 207) }
```

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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