

Converting Colors

XYZ(38.2289, 50.8031, 66.7500)

Have a look what the booklet for
XYZ(38.2289, 50.8031, 66.7500)
contains.

XYZ(38.2394, 50.8203, 66.8254)	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(38.2394, 50.8203,
66.8254)**

Conversions

Conversions Part 1

Format	Color
Hex	63CDCF
RGB	99, 205, 207
RGB Percent	39%, 80%, 81%
CMY	0.6117, 0.1961, 0.1882
CMYK	0.52, 0.01, 0.00, 0.19
HSL	181°, 53%, 60%
HSV	181°, 52%, 81%
XYZ	38.2394, 50.8203, 66.8254
YIQ	173.5340, -63.8180, -21.8500

Conversions

Conversions Part 2

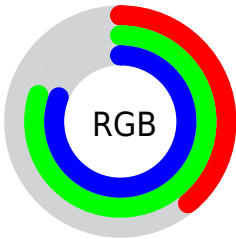
Format	Color
RYB	99, 152, 207
Decimal	6540751
CIELab	76.57, -29.89, -10.36
CIELCh	77, 31.639, 199.115
Yxy	50.8203, 0.2453, 0.3260
Android (android.graphics.Color)	4284730831 (0xFF63CDCF)
YUV	173.5340, 16.4987, -65.3663
Hunter-Lab	71.2884, -29.0064, -5.6763

Details

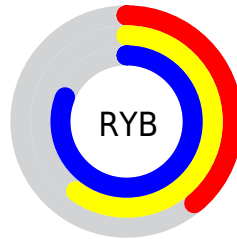
The XYZ color **38.2394, 50.8203, 66.8254** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.6389, 23.4745, 14.6164**, and the grayscale version is **39.9362, 42.0160, 45.7555**.

A 20% lighter version of the original color is **67.9106, 86.0091, 107.6299**, and **17.1915, 24.3886, 33.9384** is the 20% darker color. If you saturate the color by 10%, you get **36.1702, 49.6189, 66.7035**, and if you desaturate by 10%, it is **40.8914, 52.3248, 66.9769**.

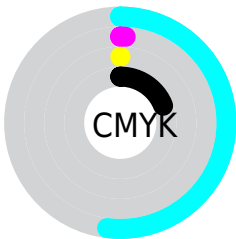
Distribution



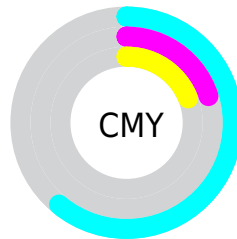
- Red (39%)
- Green (80%)
- Blue (81%)



- Red (39%)
- Yellow (60%)
- Blue (81%)



- Cyan (52%)
- Magenta (1%)
- Yellow (0%)
- Black (19%)





- Cyan (61%)
- Magenta (20%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.2394, 50.8203, 66.8254 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 38.2394, 50.8203, 66.8254 by changing the saturation by 10% instead.


 38.2394, 50.8203,
66.8254


 38.2394, 50.8203,
66.8254


329.9089,
389.8652, 467.8076


 26.3466, 36.0656,
48.4820


 71.7765, 91.3891,
116.3085


 17.2172, 24.4849,
33.8461


 94.1514, 117.9720,
148.2852

 10.4857, 15.6937,
22.4990


 120.7512,
149.2664, 185.6436

 5.7869, 9.3077,
14.0222

 151.9411,
185.6567, 228.8020

 2.7554, 4.9424,
7.9972

188.0864,
227.5274, 278.1791

 1.0257, 2.2135,
4.0054

229.5526,

 0.0000, 0.7273,

275.2628, 334.1934

1.6283

276.7050,
329.2472, 397.2634

■ 0.0000, 0.0000,
0.3109

■ 0.0000, 0.0000,
0.0000

■ 38.2394, 50.8203,
66.8254

■ 38.2394, 50.8203,
66.8254

■ 36.1702, 49.6189,
66.7035

■ 40.8914, 52.3248,
66.9769

■ 34.6340, 48.6915,
66.6054


■ 44.1621, 54.1474,
67.1563


■ 33.5805, 48.0132,
66.5300


■ 48.0899, 56.3091,
67.3666

■ 32.9473, 47.5519,
66.4744


■ 52.7086, 58.8273,
67.6092


 32.6592, 47.2981,
66.4406

 58.0499, 61.7183,
67.8857

 64.1434, 64.9975,
68.1975

 71.0172, 68.6793,
68.5458

 75.0749, 70.9096,
68.7625

 75.1685, 71.0967,
68.7937

Harmonies

Analogous

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



37.8753, 50.8203, 49.3501



38.2394, 50.8203, 66.8254



41.1658, 50.8203, 84.1285

Triad

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



38.2394, 50.8203, 66.8254



57.5214, 50.8203, 79.7899



50.5057, 50.8203, 28.9017

Complementary

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



38.2394, 50.8203, 66.8254



32.6389, 23.4745, 14.6164

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.



56.2213, 50.8203, 33.9980



38.2394, 50.8203, 66.8254



60.4883, 50.8203, 61.7845

Square

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



38.2394, 50.8203, 66.8254



52.1644, 50.8203, 92.6155



59.9938, 50.8203, 45.2430



44.6373, 50.8203, 29.7017

Rectangle

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



38.2394, 50.8203, 66.8254



44.3216, 50.8203, 92.1261



59.9938, 50.8203, 45.2430



52.5163, 50.8203, 29.9319

Sweetspot

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



38.2409, 50.8223, 66.8266



81.3596, 92.5856, 108.1904



29.7987, 48.2151, 19.9977



17.0846, 19.6374, 23.1399



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.



38.2409, 50.8223, 66.8266



57.5212, 79.2565, 106.8741



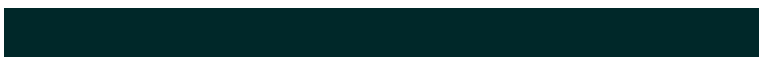
27.5081, 29.3567, 63.2490



12.1389, 13.3680, 15.1841



20.5846, 29.8158, 41.8626



1.1571, 1.6793, 2.3427

Inverse Universe

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



41.2147, 26.5982, 60.7215



62.8490, 36.3578, 95.8238



39.6735, 37.5438, 16.9613



12.3010, 12.0051, 14.8608



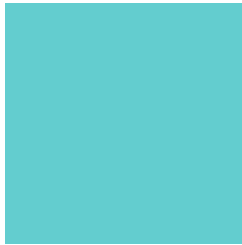
23.0209, 11.0812, 36.6118



1.2903, 0.6208, 2.0633

Previews

White Background



This preview shows how the XYZ color 38.2394, 50.8203, 66.8254 looks on a white background.

Color Contrast Check

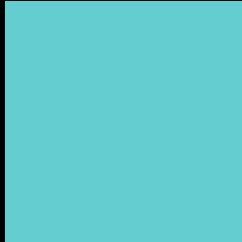
Large Text (above 18pt) WCAG AA × Fail

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 38.2394, 50.8203, 66.8254 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

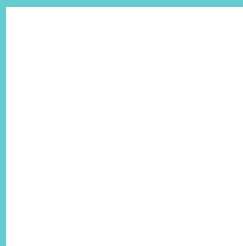
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.2394, 50.8203, 66.8254

Background



This preview shows how black text looks on a background with the XYZ color 38.2394, 50.8203, 66.8254.

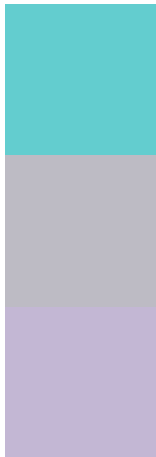


This preview shows how white text looks on a background with the XYZ color 38.2394, 50.8203,

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

38.2394, 50.8203, 66.8254

Protanopia

48.7204, 50.3450, 59.3743

Deuteranopia

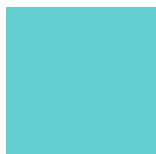
51.3228, 50.2225, 69.2763



Tritanopia

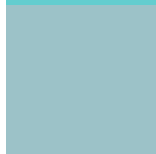
39.7356, 50.7099, 74.7115

Trichromacy



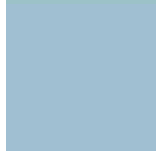
Original Color

38.2394, 50.8203, 66.8254



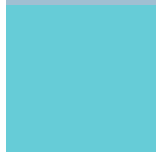
Protanomaly

43.4274, 49.8216, 61.9712



Deuteranomaly

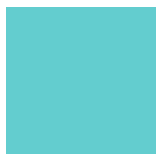
44.7609, 49.3883, 68.1465



Tritanomaly

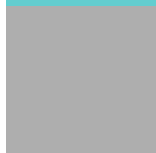
39.3381, 50.9168, 72.0446

Monochromacy



Original Color

38.2394, 50.8203, 66.8254



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

38.2445, 44.4461, 53.0176

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2394, 50.8203, 66.8254 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(99, 205, 207)` looks like.

```
.text, #text, p{  
    color:rgb(99, 205, 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(99, 205, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 205, 207) }
```

Border

The CSS property to change the border of an element to XYZ 38.2394, 50.8203, 66.8254 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(99, 205, 207) }
```


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

```
.border{ border-color:rgb(99, 205, 207) }
```

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

Here you see how a box with a 4 pixel rgb(99, 205, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 205, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 205, 207);  
box-shadow:4px 4px 4px 4px rgb(99, 205,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2394, 50.8203, 66.8254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 205, 207) }
```

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

```
.background{ background-color: rgb(99, 205,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor