

# Converting Colors

XYZ(38.9016, 51.1636, 66.5687)

Have a look what the booklet for  
XYZ(38.9016, 51.1636, 66.5687)  
contains.

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# Color

**XYZ(38.9195, 51.1709,  
66.8572)**

# Conversions

## Conversions Part 1

Format	Color
Hex	69CDCF
RGB	105, 205, 207
RGB Percent	41%, 80%, 81%
CMY	0.5882, 0.1961, 0.1882
CMYK	0.49, 0.01, 0.00, 0.19
HSL	181°, 52%, 61%
HSV	181°, 49%, 81%
XYZ	38.9195, 51.1709, 66.8572
YIQ	175.3280, -60.2420, -20.5780

# Conversions

## Conversions Part 2

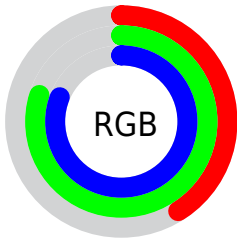
<b>Format</b>	<b>Color</b>
<b>RYB</b>	105, 155, 207
Decimal	6933967
CIELab	76.78, -28.63, -10.02
CIElCh	77, 30.337, 199.289
Yxy	51.1709, 0.2480, 0.3260
Android (android.graphics.Color)	4285124047 (0xFF69CDCF)
YUV	175.3280, 15.6143, -61.6777
Hunter-Lab	71.5338, -28.0675, -5.3401

# Details

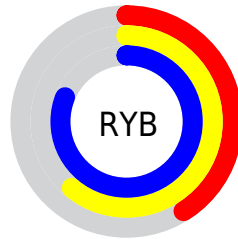
The XYZ color **38.9195, 51.1709, 66.8572** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.5405, 24.8015, 16.3852**, and the grayscale version is **40.8628, 42.9908, 46.8170**.

A 20% lighter version of the original color is **68.9143, 86.5265, 107.6769**, and **17.5706, 24.5840, 33.9561** is the 20% darker color. If you saturate the color by 10%, you get **36.6814, 49.8745, 66.7258**, and if you desaturate by 10%, it is **41.7526, 52.7768, 67.0188**.

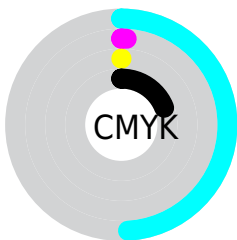
# Distribution



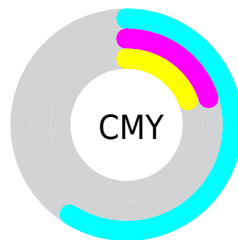
- Red (41%)
- Green (80%)
- Blue (81%)



- Red (41%)
- Yellow (61%)
- Blue (81%)



- Cyan (49%)
- Magenta (1%)
- Yellow (0%)
- Black (19%)



- Cyan (59%)
- Magenta (20%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9195, 51.1709, 66.8572 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 38.9195, 51.1709, 66.8572 by changing the saturation by 10% instead.



■ 38.9195, 51.1709,  
66.8572

■ 38.9195, 51.1709,  
66.8572

332.7612,  
391.2274, 467.9240

■ 26.8776, 36.3446,  
48.5077

■ 72.8102, 91.9073,  
116.3545

■ 17.6174, 24.7005,  
33.8663

■ 95.3896, 118.5863,  
148.3393

■ 10.7737, 15.8540,  
22.5144

■ 122.2123,  
149.9850, 185.7064

■ 5.9810, 9.4209,  
14.0334

153.6435,  
186.4877, 228.8743

■ 2.8741, 5.0167,  
8.0049

190.0487,  
228.4789, 278.2614

■ 1.0875, 2.2571,  
4.0103

231.7931,

■ 0.0146, 0.7509,

276.3430, 334.2864

1.6310

279.2421,  
330.4644, 397.3677

■ 0.0000, 0.0000,  
0.3128

■ 0.0000, 0.0000,  
0.0000

■ 38.9195, 51.1709,  
66.8572

■ 38.9195, 51.1709,  
66.8572

■ 36.6814, 49.8745,  
66.7258

■ 41.7526, 52.7768,  
67.0188

■ 34.9900, 48.8591,  
66.6190

■ 45.2155, 54.7065,  
67.2087

■ 33.7972, 48.1011,  
66.5355

■ 49.3455, 56.9806,  
67.4300

■ 33.0442, 47.5702,  
66.4728

■ 54.1759, 59.6160,  
67.6841

■ 32.6317, 47.2153,  
66.4260

■ 59.7377, 62.6289,  
67.9725

■ 32.6060, 47.1917,  
66.4228

■ 66.0600, 66.0343,  
68.2966

■ 73.1705, 69.8463,  
68.6576

■ 75.1189, 70.9975,  
68.7771

■ 75.2180, 71.1958,  
68.8102

# Harmonies

## Analogous

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



38.5514, 51.1709, 50.0301



38.9195, 51.1709, 66.8572



41.7684, 51.1709, 83.3641

# Triad

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



38.9195, 51.1709, 66.8572



57.5180, 51.1709, 79.0549



50.7227, 51.1709, 30.0131

# Complementary

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



38.9195, 51.1709, 66.8572



33.5405, 24.8015, 16.3852

# 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.



56.2188, 51.1709, 34.9769



38.9195, 51.1709, 66.8572



60.3427, 51.1709, 61.8181

# Square

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



38.9195, 51.1709, 66.8572



52.3850, 51.1709, 91.3111



59.8493, 51.1709, 45.8876



45.0710, 51.1709, 30.8329



# Rectangle

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



38.9195, 51.1709, 66.8572



44.8261, 51.1709, 90.9375



59.8493, 51.1709, 45.8876



52.6568, 51.1709, 31.0146

# Sweetspot

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



38.9210, 51.1729, 66.8584



82.1124, 92.9763, 108.2262



30.7777, 48.6852, 21.6036



17.2323, 19.7132, 23.1467



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.



38.9210, 51.1729, 66.8584



58.6500, 79.8501, 106.9292



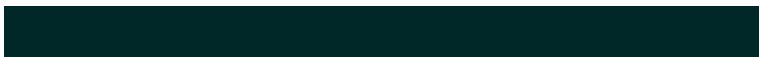
28.6946, 30.7200, 63.4496



12.1377, 13.3657, 15.1838



20.5516, 29.7498, 41.8516



1.1556, 1.6763, 2.3422



# Inverse Universe

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



41.8044, 27.7776, 60.9181



63.8249, 38.3033, 96.1687



40.4588, 38.6381, 18.6913



12.3004, 12.0049, 14.8577



23.0042, 11.0745, 36.5240

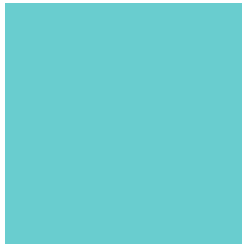


1.2895, 0.6205, 2.0594



# Previews

## White Background



This preview shows how the XYZ color 38.9195, 51.1709, 66.8572 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 38.9195, 51.1709, 66.8572 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

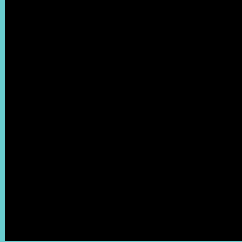
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 38.9195, 51.1709, 66.8572

## Background



This preview shows how black text looks on a background with the XYZ color 38.9195, 51.1709, 66.8572.



This preview shows how white text looks on a background with the XYZ color 38.9195, 51.1709,



# 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

38.9195, 51.1709, 66.8572

### Protanopia

48.7204, 50.3450, 59.3743

### Deuteranopia

51.5821, 50.3562, 69.2884



## Tritanopia

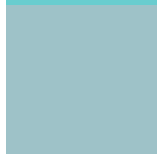
40.4488, 51.0776, 74.7449

# Trichromacy



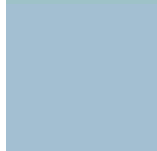
## Original Color

38.9195, 51.1709, 66.8572



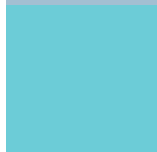
## Protanomaly

43.8177, 50.0228, 61.9895



## Deuteranomaly

45.3679, 49.7013, 68.1749



## Tritanomaly

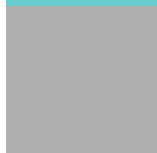
40.0429, 51.2802, 72.0776

# Monochromacy



## Original Color

38.9195, 51.1709, 66.8572



## Achromatopsia

40.7470, 42.8690, 46.6844



## Achromatomaly

39.1062, 45.1897, 53.6751

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.9195, 51.1709, 66.8572 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(105, 205, 207)` looks like.

```
.text, #text, p{  
    color:rgb(105, 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(105, 205, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 205, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 38.9195, 51.1709, 66.8572 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(105, 205, 207) }
```



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

```
.border{ border-color:rgb(105, 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(105, 205, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 205, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 205, 207);  
box-shadow:4px 4px 4px 4px rgb(105, 205,  
207) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.9195, 51.1709, 66.8572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 205, 207) }
```

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

```
.background{ background-color: rgb(105,  
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](#).

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