

# Converting Colors

XYZ(38.9123, 58.2677, 50.7140)

Have a look what the booklet for  
XYZ(38.9123, 58.2677, 50.7140)  
contains.

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# Color

**XYZ(38.9396, 58.3294,  
50.8013)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5EDFB1
RGB	94, 223, 177
RGB Percent	37%, 87%, 69%
CMY	0.6314, 0.1255, 0.3059
CMYK	0.58, 0.00, 0.21, 0.13
HSL	159°, 67%, 62%
HSV	159°, 58%, 87%
XYZ	38.9396, 58.3294, 50.8013
YIQ	179.1850, -62.1180, -41.6540

# Conversions

## Conversions Part 2

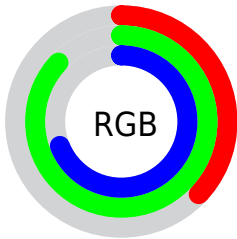
<b>Format</b>	<b>Color</b>
<b>RYB</b>	94, 172, 223
Decimal	6217649
CIELab	80.92, -46.41, 11.99
CIElCh	81, 47.935, 165.520
Yxy	58.3294, 0.2630, 0.3939
Android (android.graphics.Color)	4284407729 (0xFF5EDFB1)
YUV	179.1850, -1.0772, -74.7072
Hunter-Lab	76.3737, -42.6446, 14.0238

# Details

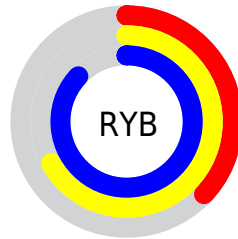
The XYZ color **38.9396, 58.3294, 50.8013** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **39.1697, 25.5883, 27.6878**, and the grayscale version is **42.9771, 45.2153, 49.2394**.

A 20% lighter version of the original color is **63.7944, 84.2732, 89.9948**, and **17.6228, 29.1782, 23.7719** is the 20% darker color. If you saturate the color by 10%, you get **36.2052, 57.0102, 46.6563**, and if you desaturate by 10%, it is **42.3838, 60.0122, 55.2233**.

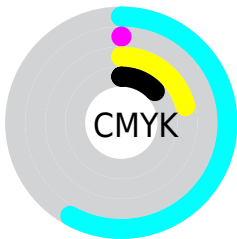
# Distribution



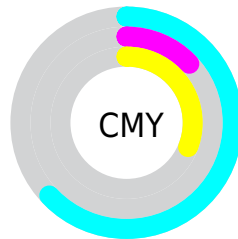
- Red (37%)
- Green (87%)
- Blue (69%)



- Red (37%)
- Yellow (67%)
- Blue (87%)



- Cyan (58%)
- Magenta (0%)
- Yellow (21%)
- Black (13%)




- Cyan (63%)
- Magenta (13%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9396, 58.3294, 50.8013 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 38.9396, 58.3294, 50.8013 by changing the saturation by 10% instead.





 38.9396, 58.3294,  
50.8013


 38.9396, 58.3294,  
50.8013


332.8452,  
418.4122, 406.6158


 26.8933, 42.0735,  
35.6749


 72.8407, 102.4024,  
92.7695


 17.6292, 29.1589,  
23.8955

 95.4262, 130.9883,  
120.4483

 10.7822, 19.2010,  
15.0446


 122.2554,  
164.4530, 153.1484

 5.9868, 11.8156,  
8.7037

 153.6937,  
203.1809, 191.2882

 2.8776, 6.6183,  
4.4543

190.1065,  
247.5563, 235.2863

 1.0894, 3.2245,  
1.8777

231.8591,

 0.0162, 1.2501,

297.9638, 285.5612

0.4785

279.3169,  
354.7876, 342.5316

■ 0.0000, 0.1020,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 38.9396, 58.3294,  
50.8013

■ 38.9396, 58.3294,  
50.8013

■ 36.2052, 57.0102,  
46.6563

■ 42.3838, 60.0122,  
55.2233

■ 34.1164, 56.0171,  
42.7773


■ 46.5855, 62.0785,  
59.9245


■ 32.6051, 55.3165,  
39.1583


■ 51.5936, 64.5551,  
64.9126


■ 31.5745, 54.8587,  
35.7904


■ 57.4513, 67.4640,  
70.1932


 31.3831, 54.7752,  
35.0961

 64.1990, 70.8261,  
75.7720

 71.8741, 74.6605,  
81.6542

 80.5120, 78.9854,  
87.8453

 83.4494, 80.3657,  
94.0367

 84.6612, 80.8504,  
100.4179

# Harmonies

## Analogous

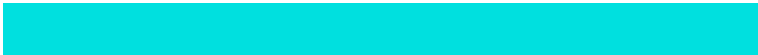
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.9086, 58.3294, 32.3974



38.9396, 58.3294, 50.8013



39.0104, 58.3294, 79.2856

# Triad

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



38.9396, 58.3294, 50.8013



60.7049, 58.3294, 132.0686



69.9154, 58.3294, 31.9520

# Complementary

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



38.9396, 58.3294, 50.8013



39.1697, 25.5883, 27.6878

# 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.



75.9361, 58.3294, 49.9808



38.9396, 58.3294, 50.8013



70.2015, 58.3294, 110.0176

# Square

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



38.9396, 58.3294, 50.8013



50.8041, 58.3294, 132.4870



76.0466, 58.3294, 78.1808



60.3504, 58.3294, 23.9294

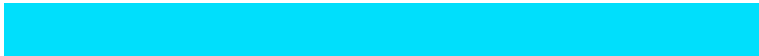


# Rectangle

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



38.9396, 58.3294, 50.8013



41.3132, 58.3294, 100.8497



76.0466, 58.3294, 78.1808



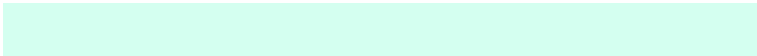
72.4686, 58.3294, 36.7555

# Sweetspot

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



38.9412, 58.3317, 50.8026



78.4707, 91.7291, 95.6508



39.4455, 59.2751, 19.9528



16.4278, 19.4507, 20.1550



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.



38.9412, 58.3317, 50.8026



48.5314, 77.0015, 62.3225



39.9604, 51.7561, 77.6986



13.8982, 15.4850, 16.4993



18.5077, 32.2279, 20.9286



1.3251, 2.2507, 1.6729



# Inverse Universe

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



39.1697, 25.5883, 27.6878



48.9067, 28.8060, 28.4929



38.1599, 27.9102, 13.9665



13.9081, 13.7809, 15.2865



18.7833, 9.5803, 5.5245

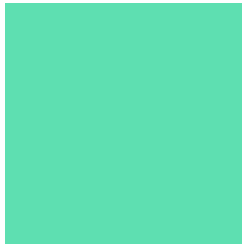


1.3436, 0.6807, 0.6023



# Previews

## White Background



This preview shows how the XYZ color 38.9396, 58.3294, 50.8013 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

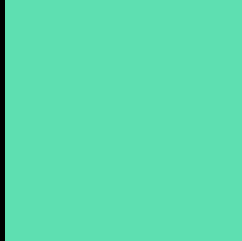
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.9396, 58.3294, 50.8013 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

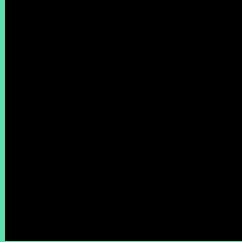
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

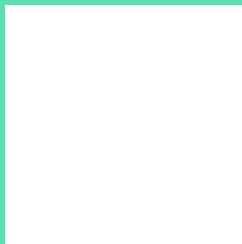
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 38.9396, 58.3294, 50.8013**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.9396, 58.3294, 50.8013.



This preview shows how white text looks on a background with the XYZ color 38.9396, 58.3294,



# 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

38.9396, 58.3294, 50.8013

### Protanopia

54.0789, 57.4123, 43.8287

### Deuteranopia

58.5527, 57.1675, 53.2958



## Tritanopia

45.8185, 57.9948, 85.8700

# Trichromacy



## Original Color

38.9396, 58.3294, 50.8013



## Protanomaly

45.8658, 56.3012, 45.9859



## Deuteranomaly

47.8279, 55.3952, 51.8876



## Tritanomaly

43.0255, 58.0111, 71.8804

# Monochromacy



## Original Color

38.9396, 58.3294, 50.8013



## Achromatopsia

42.8472, 45.0786, 49.0906



## Achromatomaly

39.7637, 48.5405, 49.3930

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.9396, 58.3294, 50.8013 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(94, 223, 177)` looks like.

```
.text, #text, p{  
    color:rgb(94, 223, 177)  
}
```

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(94, 223, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 223, 177) }
```

## Border

The CSS property to change the border of an element to XYZ 38.9396, 58.3294, 50.8013 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(94, 223, 177) }
```



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

```
.border{ border-color:rgb(94, 223, 177) }
```

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

Here you see how a box with a 4 pixel rgb(94, 223, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 223, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 223, 177);  
box-shadow:4px 4px 4px 4px rgb(94, 223,  
177) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.9396, 58.3294, 50.8013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 223, 177) }
```

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

```
.background{ background-color: rgb(94, 223,  
177) }
```

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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