

# Converting Colors

XYZ(39.6189, 57.2802, 59.0517)

Have a look what the booklet for  
XYZ(39.6189, 57.2802, 59.0517)  
contains.

<b>XYZ(39.6218, 57.3193, 58.8446)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(39.6218, 57.3193,  
58.8446)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5DDCC0
RGB	93, 220, 192
RGB Percent	36%, 86%, 75%
CMY	0.6353, 0.1372, 0.2471
CMYK	0.58, 0.00, 0.13, 0.14
HSL	167°, 64%, 61%
HSV	167°, 58%, 86%
XYZ	39.6218, 57.3193, 58.8446
YIQ	178.8350, -66.7040, -35.6320

# Conversions

## Conversions Part 2

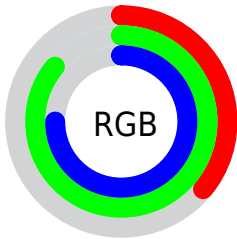
<b>Format</b>	<b>Color</b>
<b>RYB</b>	93, 164, 220
Decimal	6151360
CIELab	80.36, -41.83, 3.23
CIELCh	80, 41.954, 175.589
Yxy	57.3193, 0.2543, 0.3679
Android (android.graphics.Color)	4284341440 (0xFF5DDCC0)
YUV	178.8350, 6.4903, -75.2773
Hunter-Lab	75.7095, -39.0755, 6.9140

# Details

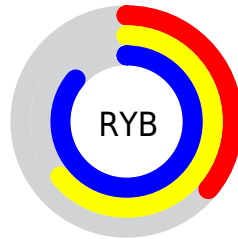
The XYZ color **39.6218, 57.3193, 58.8446** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted cyan. A complement of this color would be **36.8826, 24.4263, 20.8620**, and the grayscale version is **42.7533, 44.9798, 48.9830**.

A 20% lighter version of the original color is **65.8401, 85.0696, 101.7569**, and **18.0233, 28.4602, 28.9695** is the 20% darker color. If you saturate the color by 10%, you get **37.1788, 56.1224, 55.9716**, and if you desaturate by 10%, it is **42.7262, 58.8579, 61.8436**.

# Distribution



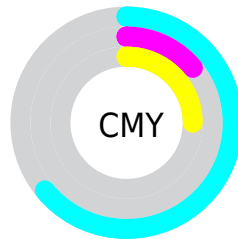
- Red (36%)
- Green (86%)
- Blue (75%)



- Red (36%)
- Yellow (64%)
- Blue (86%)



- Cyan (58%)
- Magenta (0%)
- Yellow (13%)
- Black (14%)



- Cyan (64%)
- Magenta (14%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.6218, 57.3193, 58.8446 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 39.6218, 57.3193, 58.8446 by changing the saturation by 10% instead.





 39.6218, 57.3193,  
58.8446


 39.6218, 57.3193,  
58.8446


335.6888,  
414.6447, 438.0116


 27.4267, 41.2617,  
42.0688


 73.8753, 100.9309,  
104.6787


 18.0322, 28.5236,  
28.8292


 96.6643, 129.2537,  
134.5741

 11.0729, 18.7207,  
18.7072


 123.7154,  
162.4337, 169.6798

 6.1836, 11.4687,  
11.2842

 155.3939,  
200.8552, 210.4143

 2.9987, 6.3830,  
6.1418

192.0651,  
244.9026, 257.1962

 1.1531, 3.0793,  
2.8613

234.0944,

 0.0688, 1.1733,

294.9604, 310.4440

1.0243

281.8472,  
351.4130, 370.5763

■ 0.0000, 0.0397,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 39.6218, 57.3193,  
58.8446

■ 39.6218, 57.3193,  
58.8446

■ 37.1788, 56.1224,  
55.9716

■ 42.7262, 58.8579,  
61.8436

■ 35.3355, 55.2312,  
53.2170


■ 46.5371, 60.7573,  
64.9677


■ 34.0269, 54.6136,  
50.5782


■ 51.1014, 63.0430,  
68.2213


■ 33.1608, 54.2222,  
48.0498


■ 56.4603, 65.7363,  
71.6072


 32.9921, 54.1475,  
47.4887

 62.6523, 68.8568,  
75.1279

 69.7129, 72.4231,  
78.7860

 77.6760, 76.4524,  
82.5838

 81.2309, 78.2070,  
86.2737

 81.9250, 78.4847,  
89.9287

# Harmonies

## Analogous

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



41.9634, 57.3193, 39.3225



39.6218, 57.3193, 58.8446



40.9054, 57.3193, 85.1410

# Triad

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



39.6218, 57.3193, 58.8446



61.9265, 57.3193, 115.5056



64.3530, 57.3193, 30.9656

# Complementary

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



39.6218, 57.3193, 58.8446



36.8826, 24.4263, 20.8620

# 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.



70.7682, 57.3193, 44.1357



39.6218, 57.3193, 58.8446



69.2673, 57.3193, 93.1260

# Square

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



39.6218, 57.3193, 58.8446



53.2203, 57.3193, 122.4187



72.6543, 57.3193, 66.1186



55.7599, 57.3193, 26.1423



# Rectangle

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



39.6218, 57.3193, 58.8446



43.7243, 57.3193, 102.6455



72.6543, 57.3193, 66.1186



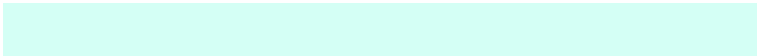
66.8696, 57.3193, 34.3621

# Sweetspot

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



39.6234, 57.3215, 58.8459



79.3596, 92.0847, 100.3317



35.6868, 56.1630, 19.3166



16.6389, 19.5351, 21.2663



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.



39.6234, 57.3215, 58.8459



51.4098, 78.1529, 77.4802



35.0212, 42.6705, 74.1031



13.3156, 14.7779, 16.1247



19.4053, 31.7948, 28.0977



1.2882, 2.0722, 1.9836



# Inverse Universe

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



36.8826, 24.4263, 20.8620



47.3004, 28.1635, 20.0344



39.0650, 31.1520, 14.3109



13.1730, 13.0983, 14.1722



17.6758, 9.0714, 2.6728

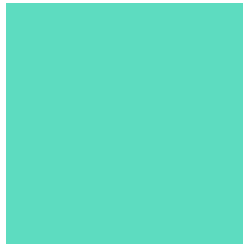


1.1777, 0.6007, 0.3445



# Previews

## White Background



This preview shows how the XYZ color 39.6218, 57.3193, 58.8446 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

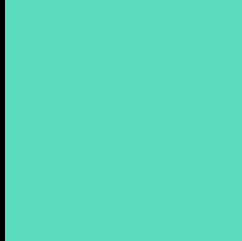
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.6218, 57.3193, 58.8446 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

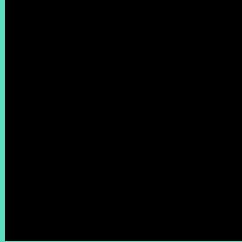
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

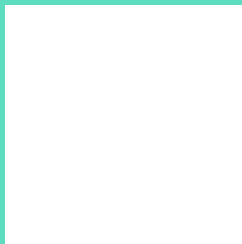
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 39.6218, 57.3193, 58.8446**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.6218, 57.3193, 58.8446.



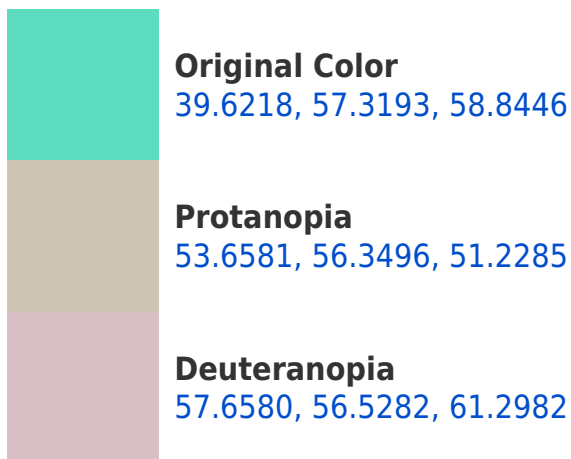
This preview shows how white text looks on a background with the XYZ color 39.6218, 57.3193,



# 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





## Tritanopia

44.6755, 57.0451, 85.0001

# Trichromacy



## Original Color

39.6218, 57.3193, 58.8446



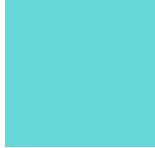
## Protanomaly

46.0001, 55.1227, 53.5627



## Deuteranomaly

48.0976, 54.9972, 60.3051



## Tritanomaly

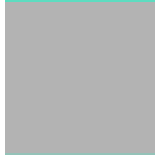
42.5597, 56.9463, 74.3942

# Monochromacy



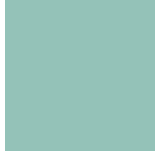
## Original Color

39.6218, 57.3193, 58.8446



## Achromatopsia

42.8472, 45.0786, 49.0906



## Achromatomaly

40.1563, 48.3402, 52.5615

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.6218, 57.3193, 58.8446 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(93, 220, 192)` looks like.

```
.text, #text, p{  
    color:rgb(93, 220, 192)  
}
```

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(93, 220, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 220, 192) }
```

## Border

The CSS property to change the border of an element to XYZ 39.6218, 57.3193, 58.8446 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(93, 220, 192) }
```



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

```
.border{ border-color:rgb(93, 220, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 220, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 220, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 220, 192);  
box-shadow:4px 4px 4px 4px rgb(93, 220,  
192) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.6218, 57.3193, 58.8446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 220, 192) }
```

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

```
.background{ background-color: rgb(93, 220,  
192) }
```

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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