

# Converting Colors

XYZ(39.7921, 57.8355, 66.4726)

Have a look what the booklet for  
XYZ(39.7921, 57.8355, 66.4726)  
contains.

|  |    |
|--|----|
| <b>XYZ(39.8444, 58.0580, 66.2330)</b> .....    | 3  |
| <b><i>Conversions</i></b> .....                | 4  |
| <b><i>Details</i></b> .....                    | 6  |
| <b><i>Harmonies</i></b> .....                  | 12 |
| <b><i>Previews</i></b> .....                   | 24 |
| <b><i>Color Blindness Simulation</i></b> ..... | 28 |
| <b><i>CSS Examples</i></b> .....               | 31 |

# Color

**XYZ(39.8444, 58.0580,  
66.2330)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 4ADECC                       |
| RGB         | 74, 222, 204                 |
| RGB Percent | 29%, 87%, 80%                |
| CMY         | 0.7098, 0.1294, 0.2000       |
| CMYK        | 0.67, 0.00, 0.08, 0.13       |
| HSL         | 173°, 69%, 58%               |
| HSV         | 173°, 67%, 87%               |
| XYZ         | 39.8444, 58.0580, 66.2330    |
| YIQ         | 175.6960, -82.4300, -36.9740 |

# Conversions

## Conversions Part 2

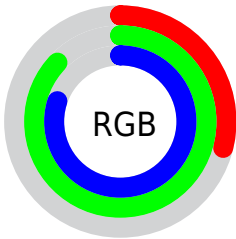
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">74, 153, 222</a>                                 |
| Decimal                             | <a href="#">4906700</a>                                      |
| CIELab                              | <a href="#">80.77, -42.91, -2.61</a>                         |
| CIELCh                              | <a href="#">81, 42.988, 183.486</a>                          |
| Yxy                                 | <a href="#">58.0580, 0.2428, 0.3537</a>                      |
| Android<br>(android.graphics.Color) | <a href="#">4283096780</a><br>( <a href="#">0xFF4ADECC</a> ) |
| YUV                                 | <a href="#">175.6960, 13.9539, -89.1874</a>                  |
| Hunter-Lab                          | <a href="#">76.1958, -40.0012, 1.7994</a>                    |

# Details

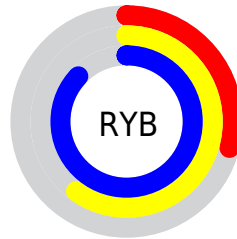
The XYZ color **39.8444, 58.0580, 66.2330** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **34.5067, 21.2016, 12.4010**, and the grayscale version is **41.0709, 43.2097, 47.0554**.

A 20% lighter version of the original color is **64.6252, 84.3154, 107.4761**, and **19.1412, 29.4744, 33.5345** is the 20% darker color. If you saturate the color by 10%, you get **38.1066, 57.2006, 64.4767**, and if you desaturate by 10%, it is **42.1940, 59.2329, 68.0499**.

# Distribution



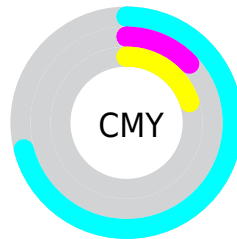
- Red (29%)
- Green (87%)
- Blue (80%)



- Red (29%)
- Yellow (60%)
- Blue (87%)



- Cyan (67%)
- Magenta (0%)
- Yellow (8%)
- Black (13%)




- Cyan (71%)
- Magenta (13%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8444, 58.0580, 66.2330 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 39.8444, 58.0580, 66.2330 by changing the saturation by 10% instead.





 39.8444, 58.0580,  
66.2330


 39.8444, 58.0580,  
66.2330


336.6130,  
417.4020, 465.6367


 27.6009, 41.8553,  
48.0039


 74.2124, 102.0073,  
115.4509

 18.1640, 28.9880,  
33.4700


 97.0675, 130.5227,  
147.2767

 11.1682, 19.0717,  
22.2126


 124.1907,  
163.9111, 184.4719

 6.2482, 11.7221,  
13.8134

 155.9471,  
202.5569, 227.4550

 3.0387, 6.5548,  
7.8537

192.7022,  
246.8445, 276.6444

 1.1742, 3.1852,  
3.9151

234.8213,

 0.0859, 1.2292,

297.1583, 332.4588

1.5789

282.6698,  
353.8827, 395.3167

■ 0.0000, 0.0854,  
0.2757

■ 0.0000, 0.0000,  
0.0000

■ 39.8444, 58.0580,  
66.2330

■ 39.8444, 58.0580,  
66.2330

■ 38.1066, 57.2006,  
64.4767

■ 42.1940, 59.2329,  
68.0499

■ 36.9087, 56.6195,  
62.7735


■ 45.2075, 60.7480,  
69.9260


■ 36.1674, 56.2732,  
61.1207

■ 48.9369, 62.6315,  
71.8652


■ 35.9725, 56.1845,  
60.5782


■ 53.4278, 64.9069,  
73.8698

 58.7220, 67.5958,  
75.9419

 64.8582, 70.7181,  
78.0834

 71.8727, 74.2925,  
80.2962

 79.7994, 78.3365,  
82.5820

 81.4082, 79.1228,  
84.6026

# Harmonies

## Analogous

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



41.2801, 58.0580, 43.8150



39.8444, 58.0580, 66.2330



42.1409, 58.0580, 94.1881

# Triad

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



39.8444, 58.0580, 66.2330



65.1410, 58.0580, 113.3520



63.1547, 58.0580, 28.7979

# Complementary

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



39.8444, 58.0580, 66.2330



34.5067, 21.2016, 12.4010

# 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.



70.6700, 58.0580, 39.9071



39.8444, 58.0580, 66.2330



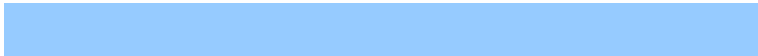
71.9005, 58.0580, 87.6335

# Square

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



39.8444, 58.0580, 66.2330



56.2263, 58.0580, 125.6054



74.0241, 58.0580, 60.2907



54.1515, 58.0580, 25.9110

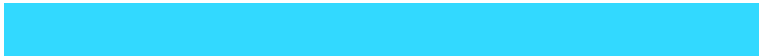


# Rectangle

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



39.8444, 58.0580, 66.2330



45.6403, 58.0580, 111.1799



74.0241, 58.0580, 60.2907



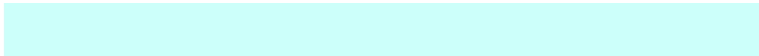
65.9695, 58.0580, 31.5149

# Sweetspot

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



39.8461, 58.0602, 66.2344



77.7290, 91.1842, 102.9598



31.9480, 55.1049, 15.4324



16.1973, 19.2937, 21.8656



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.



39.8461, 58.0602, 66.2344



51.4343, 77.9474, 87.3344



29.9643, 34.6390, 74.2164



14.0410, 15.5421, 17.2513



21.3940, 33.3825, 36.1275



1.5034, 2.3221, 2.6121



# Inverse Universe

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



34.5067, 21.2016, 12.4010



43.7219, 24.1469, 9.1600



39.1163, 31.5342, 10.5050



13.7747, 13.7275, 14.5839



18.0323, 9.2799, 1.5700

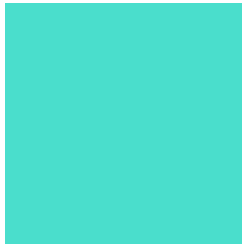


1.2725, 0.6523, 0.2281



# Previews

## White Background



This preview shows how the XYZ color 39.8444, 58.0580, 66.2330 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

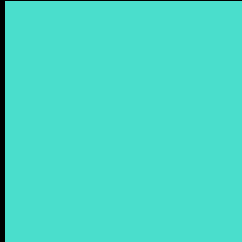
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.8444, 58.0580, 66.2330 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

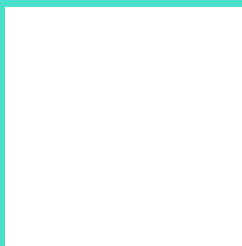
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 39.8444, 58.0580, 66.2330**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.8444, 58.0580, 66.2330.



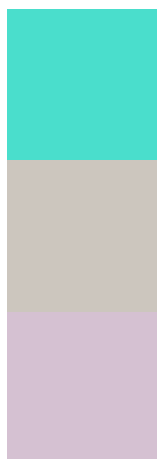
This preview shows how white text looks on a background with the XYZ color 39.8444, 58.0580,



# 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

39.8444, 58.0580, 66.2330

### Protanopia

54.3902, 56.9432, 56.8397

### Deuteranopia

58.1434, 56.9392, 68.8986



## Tritanopia

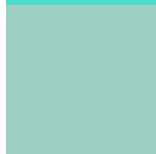
43.9281, 57.7477, 87.4284

# Trichromacy



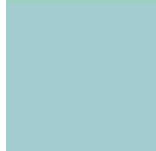
## Original Color

39.8444, 58.0580, 66.2330



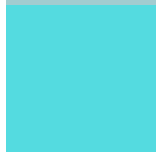
## Protanomaly

46.0678, 55.7339, 59.9594



## Deuteranomaly

47.8783, 55.4212, 67.8484



## Tritanomaly

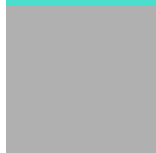
42.4422, 57.9297, 79.4656

# Monochromacy



## Original Color

39.8444, 58.0580, 66.2330



## Achromatopsia

41.2663, 43.4154, 47.2793



## Achromatomaly

38.5804, 47.1741, 53.5265

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.8444, 58.0580, 66.2330 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(74, 222, 204)` looks like.

```
.text, #text, p{  
    color:rgb(74, 222, 204)  
}
```

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(74, 222, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 222, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 39.8444, 58.0580, 66.2330 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(74, 222, 204) }
```



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

```
.border{ border-color:rgb(74, 222, 204) }
```

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

Here you see how a box with a 4 pixel rgb(74, 222, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 222, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 222, 204);  
box-shadow:4px 4px 4px 4px rgb(74, 222,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.8444, 58.0580, 66.2330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 222, 204) }
```

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

```
.background{ background-color: rgb(74, 222,  
204) }
```

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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