

# Converting Colors

XYZ(39.7257, 58.0335, 65.7242)

Have a look what the booklet for  
XYZ(39.7257, 58.0335, 65.7242)  
contains.

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# Color

**XYZ(39.7248, 58.0102,  
65.6033)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4ADEC8
RGB	74, 222, 203
RGB Percent	29%, 87%, 80%
CMY	0.7098, 0.1294, 0.2039
CMYK	0.67, 0.00, 0.09, 0.13
HSL	172°, 69%, 58%
HSV	172°, 67%, 87%
XYZ	39.7248, 58.0102, 65.6033
YIQ	175.5820, -82.1090, -37.2850

# Conversions

## Conversions Part 2

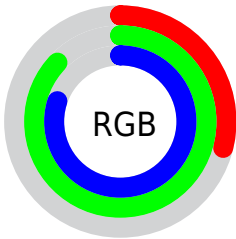
Format	Color
<a href="#">RYB</a>	<a href="#">74, 153, 222</a>
Decimal	<a href="#">4906699</a>
CIELab	<a href="#">80.74, -43.17, -2.12</a>
CIELCh	<a href="#">81, 43.221, 182.813</a>
Yxy	<a href="#">58.0102, 0.2432, 0.3552</a>
Android (android.graphics.Color)	<a href="#">4283096779</a> ( <a href="#">0xFF4ADECB</a> )
YUV	<a href="#">175.5820, 13.5171, -89.0874</a>
Hunter-Lab	<a href="#">76.1644, -40.1882, 2.2464</a>

# Details

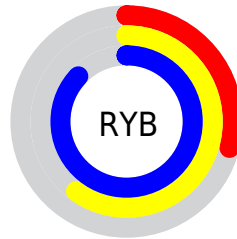
The XYZ color **39.7248, 58.0102, 65.6033** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **34.5507, 21.2191, 12.6326**, and the grayscale version is **41.0136, 43.1495, 46.9898**.

A 20% lighter version of the original color is **64.6252, 84.3154, 107.4761**, and **19.0610, 29.4424, 33.1121** is the 20% darker color. If you saturate the color by 10%, you get **37.9715, 57.1466, 63.7654**, and if you desaturate by 10%, it is **42.0905, 59.1915, 67.5050**.

# Distribution



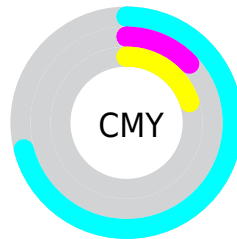
- Red (29%)
- Green (87%)
- Blue (80%)



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



- Cyan (67%)
- Magenta (0%)
- Yellow (9%)
- Black (13%)




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


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7248, 58.0102, 65.6033 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 39.7248, 58.0102, 65.6033 by changing the saturation by 10% instead.





 39.7248, 58.0102,  
65.6033


 39.7248, 58.0102,  
65.6033


336.1166,  
417.2239, 463.3222


 27.5073, 41.8168,  
47.4960


 74.0313, 101.9377,  
114.5383


 18.0931, 28.9579,  
33.0708

 96.8510, 130.4407,  
146.2032

 11.1170, 19.0490,  
21.9091


 123.9354,  
163.8156, 183.2242

 6.2134, 11.7057,  
13.5925

 155.6500,  
202.4469, 226.0201

 3.0172, 6.5436,  
7.7023

192.3600,  
246.7190, 275.0093

 1.1629, 3.1783,  
3.8200

234.4309,

 0.0767, 1.2255,

297.0163, 330.6103

1.5271

282.2280,  
353.7231, 393.2418

■ 0.0000, 0.0824,  
0.2380

■ 0.0000, 0.0000,  
0.0000

■ 39.7248, 58.0102,  
65.6033

■ 39.7248, 58.0102,  
65.6033

■ 37.9715, 57.1466,  
63.7654

■ 42.0905, 59.1915,  
67.5050

■ 36.7588, 56.5596,  
61.9840


■ 45.1207, 60.7133,  
69.4694

■ 36.0032, 56.2075,  
60.2562


■ 48.8675, 62.6038,  
71.5002


■ 35.8037, 56.1170,  
59.6894

■ 53.3764, 64.8864,  
73.5998

 58.6893, 67.5828,  
75.7703

 64.8448, 70.7128,  
78.0136

 71.8792, 74.2951,  
80.3318

 79.8266, 78.3474,  
82.7264

 81.4570, 79.1423,  
84.8593

# Harmonies

## Analogous

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



41.2496, 58.0102, 43.2805



39.7248, 58.0102, 65.6033



41.9468, 58.0102, 93.6810

# Triad

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



39.7248, 58.0102, 65.6033



64.9589, 58.0102, 114.0683



63.3470, 58.0102, 28.7812

# Complementary

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



39.7248, 58.0102, 65.6033



34.5507, 21.2191, 12.6326

# 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.



70.8375, 58.0102, 40.1174



39.7248, 58.0102, 65.6033



71.8363, 58.0102, 88.3580

# Square

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



39.7248, 58.0102, 65.6033



55.9825, 58.0102, 125.9911



74.0945, 58.0102, 60.7845



54.3000, 58.0102, 25.7195



# Rectangle

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



39.7248, 58.0102, 65.6033



45.4101, 58.0102, 110.9097



74.0945, 58.0102, 60.7845



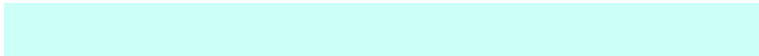
66.1621, 58.0102, 31.5662

# Sweetspot

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



39.7265, 58.0124, 65.6047



77.6753, 91.1628, 102.6772



31.9479, 55.1049, 15.4323



16.1842, 19.2885, 21.7970



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.



39.7265, 58.0124, 65.6047



51.2412, 77.8702, 86.3177



29.9642, 34.6389, 74.2164



14.0369, 15.5405, 17.2294



21.2950, 33.3429, 35.6062



1.4975, 2.3197, 2.5809



# Inverse Universe

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



34.5507, 21.2191, 12.6326



43.7702, 24.1662, 9.4144



39.1163, 31.5341, 10.5048



13.7785, 13.7290, 14.6038



18.0438, 9.2845, 1.6304

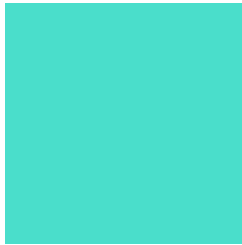


1.2743, 0.6530, 0.2375



# Previews

## White Background



This preview shows how the XYZ color 39.7248, 58.0102, 65.6033 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

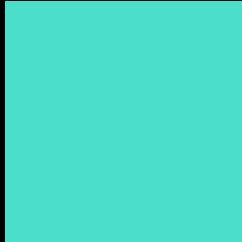
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.7248, 58.0102, 65.6033 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

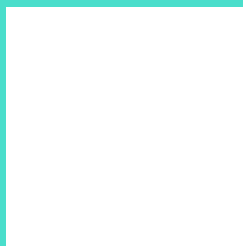
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 39.7248, 58.0102, 65.6033**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.7248, 58.0102, 65.6033.



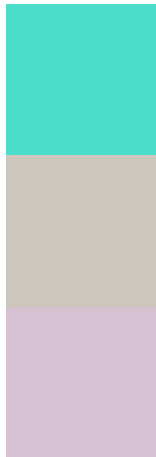
This preview shows how white text looks on a background with the XYZ color 39.7248, 58.0102,



# 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

39.7248, 58.0102, 65.6033

### Protanopia

54.5562, 57.0414, 56.2788

### Deuteranopia

58.0192, 56.8895, 68.2444



## Tritanopia

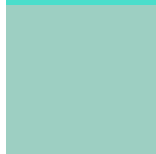
43.9281, 57.7477, 87.4284

# Trichromacy



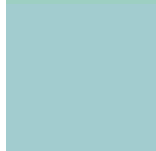
## Original Color

39.7248, 58.0102, 65.6033



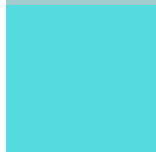
## Protanomaly

45.9551, 55.6888, 59.3659



## Deuteranomaly

47.7556, 55.3721, 67.2024



## Tritanomaly

42.3070, 57.8756, 78.7533

# Monochromacy



## Original Color

39.7248, 58.0102, 65.6033



## 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 39.7248, 58.0102, 65.6033 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, 203)` looks like.

```
.text, #text, p{  
    color:rgb(74, 222, 203)  
}
```

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, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 222, 203) }
```

## Border

The CSS property to change the border of an element to XYZ 39.7248, 58.0102, 65.6033 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, 203) }
```



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

```
.border{ border-color:rgb(74, 222, 203) }
```

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, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 222, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 222, 203);  
box-shadow:4px 4px 4px 4px rgb(74, 222,  
203) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.7248, 58.0102, 65.6033 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, 203) }
```

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

```
.background{ background-color: rgb(74, 222,  
203) }
```

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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