

# Converting Colors

XYZ(35.0698, 57.3191, 42.5867)

Have a look what the booklet for  
XYZ(35.0698, 57.3191, 42.5867)  
contains.

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# Color

**XYZ(35.0740, 57.3183,  
42.4727)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3BE1A0
RGB	59, 225, 160
RGB Percent	23%, 88%, 63%
CMY	0.7686, 0.1176, 0.3725
CMYK	0.74, 0.00, 0.29, 0.12
HSL	157°, 73%, 56%
HSV	157°, 74%, 88%
XYZ	35.0740, 57.3183, 42.4727
YIQ	167.9560, -78.0710, -55.4070

# Conversions

## Conversions Part 2

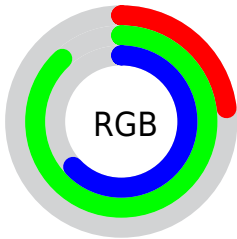
<b>Format</b>	<b>Color</b>
<b>RYB</b>	59, 162, 225
Decimal	3924384
CIELab	80.36, -56.70, 20.00
CIElCh	80, 60.127, 160.569
Yxy	57.3183, 0.2601, 0.4250
Android (android.graphics.Color)	4282114464 (0xFF3BE1A0)
YUV	167.9560, -3.9223, -95.5544
Hunter-Lab	75.7089, -49.7959, 19.7345

# Details

The XYZ color **35.0740, 57.3183, 42.4727** is a light color, and the websafe version is hex **00CC99**. The color can be described as light washed spring green. A complement of this color would be **36.2552, 20.5920, 21.1348**, and the grayscale version is **37.2455, 39.1851, 42.6726**.

A 20% lighter version of the original color is **57.0790, 81.0934, 76.9342**, and **16.7094, 29.0880, 18.9212** is the 20% darker color. If you saturate the color by 10%, you get **33.2730, 56.4773, 38.5073**, and if you desaturate by 10%, it is **37.5069, 58.4818, 46.7554**.

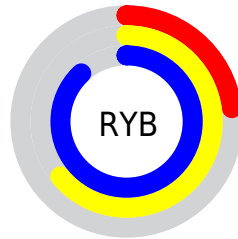
# Distribution



Red (23%)

Green (88%)

Blue (63%)



Red (23%)

Yellow (64%)

Blue (88%)

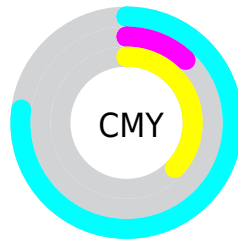


Cyan (74%)

Magenta (0%)

Yellow (29%)

Black (12%)



Cyan (77%)

Magenta (12%)


Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.0740, 57.3183, 42.4727 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 35.0740, 57.3183, 42.4727 by changing the saturation by 10% instead.





 35.0740, 57.3183,  
42.4727


 35.0740, 57.3183,  
42.4727


316.3971,  
414.6410, 372.2960


 23.8867, 41.2608,  
29.1433


 66.9337, 100.9295,  
80.1923


 15.3739, 28.5230,  
18.9427


 88.3367, 129.2520,  
105.4196


 9.1702, 18.7202,  
11.4525


 113.8757,  
162.4317, 135.4500

 4.9104, 11.4683,  
6.2541

 143.9159,  
200.8529, 170.7019

 2.2290, 6.3828,  
2.9289

 178.8229,  
244.9000, 211.5939

 0.7579, 3.0792,  
1.0584

218.9618,

 0.0000, 1.1732,

294.9575, 258.5446

0.0000

264.6981,  
351.4096, 311.9724

■ 0.0000, 0.0397,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 35.0740, 57.3183,  
42.4727

■ 35.0740, 57.3183,  
42.4727

■ 33.2730, 56.4773,  
38.5073

■ 37.5069, 58.4818,  
46.7554


■ 32.0185, 55.9103,  
34.8456


■ 40.6340, 59.9951,  
51.3602


■ 31.4342, 55.6557,  
32.7141


■ 44.5144, 61.8903,  
56.2966


■ 49.1999, 64.1939,  
61.5726

 54.7372, 66.9297,  
67.1955

 61.1695, 70.1201,  
73.1724

 68.5369, 73.7855,  
79.5101

 76.8771, 77.9452,  
86.2155

 83.7903, 81.3621,  
93.1808

# Harmonies

## Analogous

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



40.4947, 57.3183, 23.7908



35.0740, 57.3183, 42.4727



34.3732, 57.3183, 75.6822

# Triad

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



35.0740, 57.3183, 42.4727



58.9354, 57.3183, 155.5321



74.5013, 57.3183, 27.8992

# Complementary

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



35.0740, 57.3183, 42.4727



36.2552, 20.5920, 21.1348

# 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.



81.2055, 57.3183, 50.7877



35.0740, 57.3183, 42.4727



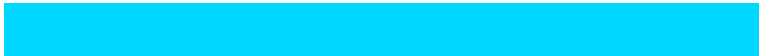
71.3616, 57.3183, 129.3314

# Square

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



35.0740, 57.3183, 42.4727



46.9812, 57.3183, 150.6040



79.9771, 57.3183, 87.7752



62.7356, 57.3183, 17.8363

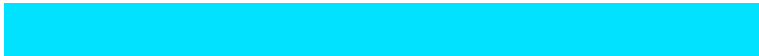


# Rectangle

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



35.0740, 57.3183, 42.4727



36.5410, 57.3183, 103.6045



79.9771, 57.3183, 87.7752



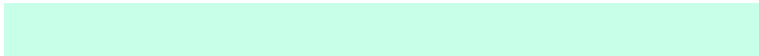
77.4963, 57.3183, 33.9017

# Sweetspot

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



35.0755, 57.3206, 42.4740



73.9993, 89.5335, 90.4966



36.2324, 58.5588, 13.5317



15.3731, 18.9332, 18.9192



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.



35.0755, 57.3206, 42.4740



43.1352, 74.5256, 48.2510



38.0495, 51.6754, 79.2058



13.8773, 15.4767, 16.3893



18.1721, 32.0937, 19.1611



1.3032, 2.2420, 1.5577



# Inverse Universe

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



36.2552, 20.5920, 21.1348



44.8626, 23.3753, 18.9520



34.3994, 21.4386, 6.4634



13.9284, 13.7890, 15.3929



18.9642, 9.6527, 6.4773



1.3576, 0.6863, 0.6758



# Previews

## White Background



This preview shows how the XYZ color 35.0740, 57.3183, 42.4727 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 35.0740, 57.3183, 42.4727 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

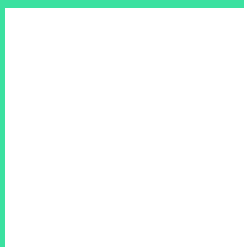
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 35.0740, 57.3183, 42.4727**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.0740, 57.3183, 42.4727.



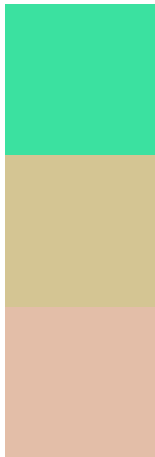
This preview shows how white text looks on a background with the XYZ color 35.0740, 57.3183,



# 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

35.0740, 57.3183, 42.4727

### Protanopia

52.3841, 56.0361, 35.6589

### Deuteranopia

57.1599, 55.9850, 44.8393



## Tritanopia

43.7780, 57.3221, 85.8477

# Trichromacy



## Original Color

35.0740, 57.3183, 42.4727



## Protanomaly

41.6906, 53.9606, 37.9239



## Deuteranomaly

43.8734, 53.5355, 43.6183



## Tritanomaly

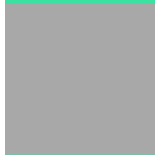
39.8654, 56.8686, 67.2681

# Monochromacy



## Original Color

35.0740, 57.3183, 42.4727



## Achromatopsia

37.2190, 39.1572, 42.6422



## Achromatomaly

33.8912, 43.7010, 42.2462

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.0740, 57.3183, 42.4727 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(59, 225, 160)` looks like.

```
.text, #text, p{  
    color:rgb(59, 225, 160)  
}
```

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(59, 225, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 225, 160) }
```

## Border

The CSS property to change the border of an element to XYZ 35.0740, 57.3183, 42.4727 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(59, 225, 160) }
```



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

```
.border{ border-color:rgb(59, 225, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 225, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 225, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 225, 160);  
box-shadow:4px 4px 4px 4px rgb(59, 225,  
160) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.0740, 57.3183, 42.4727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 225, 160) }
```

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

```
.background{ background-color: rgb(59, 225,  
160) }
```

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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