

# Converting Colors

XYZ(35.0742, 58.5404, 45.2998)

Have a look what the booklet for  
XYZ(35.0742, 58.5404, 45.2998)  
contains.

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# Color

**XYZ(35.0783, 58.4730,  
45.5140)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1BE4A6
RGB	27, 228, 166
RGB Percent	11%, 89%, 65%
CMY	0.8941, 0.1059, 0.3490
CMYK	0.88, 0.00, 0.27, 0.11
HSL	161°, 79%, 50%
HSV	161°, 88%, 89%
XYZ	35.0783, 58.4730, 45.5140
YIQ	160.8330, -99.8940, -61.8940

# Conversions

## Conversions Part 2

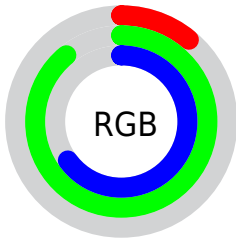
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	27, 146, 228
Decimal	1828006
CIE <sub>Lab</sub>	81.00, -59.46, 17.70
CIE <sub>LCh</sub>	81, 62.038, 163.420
Yxy	58.4730, 0.2522, 0.4205
Android (android.graphics.Color)	4280018086 (0xFF1BE4A6)
YUV	160.8330, 2.5473, -117.3715
Hunter-Lab	76.4676, -51.9344, 18.2376

# Details

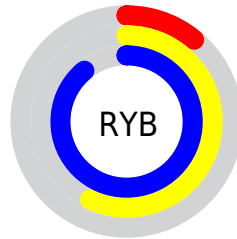
The XYZ color **35.0783, 58.4730, 45.5140** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **34.1920, 18.0005, 11.1265**, and the grayscale version is **33.8229, 35.5843, 38.7513**.

A 20% lighter version of the original color is **55.7506, 80.3179, 80.9711**, and **17.6002, 30.3407, 20.8483** is the 20% darker color. If you saturate the color by 10%, you get **34.0524, 58.0182, 42.1905**, and if you desaturate by 10%, it is **36.5969, 59.1807, 49.0474**.

# Distribution



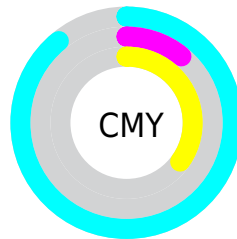
- Red (11%)
- Green (89%)
- Blue (65%)



- Red (11%)
- Yellow (57%)
- Blue (89%)



- Cyan (88%)
- Magenta (0%)
- Yellow (27%)
- Black (11%)



- Cyan (89%)
- Magenta (11%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.0783, 58.4730, 45.5140 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 35.0783, 58.4730, 45.5140 by changing the saturation by 10% instead.



35.0783, 58.4730,  
45.5140

35.0783, 58.4730,  
45.5140

316.4158,  
418.9461, 385.0720

23.8900, 42.1890,  
31.5166

66.9403, 102.6113,  
84.8178

15.3763, 29.2493,  
20.7308

88.3446, 131.2345,  
110.9613

9.1720, 19.2695,  
12.7380

113.8851,  
164.7395, 141.9905

4.9115, 11.8652,  
7.1198

143.9270,  
203.5108, 178.3240

2.2297, 6.6519,  
3.4576

178.8356,  
247.9327, 220.3804

0.7583, 3.2454,  
1.3327

218.9764,

0.0000, 1.2612,

298.3896, 268.5781

0.0884

264.7147,  
355.2659, 323.3358

■ 0.0000, 0.1108,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 35.0783, 58.4730,  
45.5140

■ 35.0783, 58.4730,  
45.5140

■ 34.0524, 58.0182,  
42.1905


■ 36.5969, 59.1807,  
49.0474


■ 33.8876, 57.9461,  
41.5975


■ 38.7081, 60.1884,  
52.7942


■ 41.4874, 61.5362,  
56.7622


■ 44.9975, 63.2565,  
60.9570

 49.2938, 65.3778,  
65.3839

 54.4260, 67.9257,  
70.0477

 60.4398, 70.9235,  
74.9532

 67.3774, 74.3932,  
80.1049

 75.2782, 78.3548,  
85.5071

# Harmonies

## Analogous

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



40.2479, 58.4730, 24.8256



35.0783, 58.4730, 45.5140



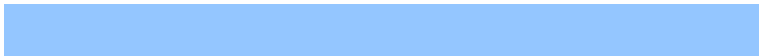
34.8191, 58.4730, 81.5670

# Triad

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



35.0783, 58.4730, 45.5140



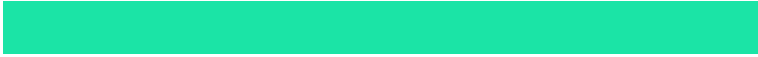
61.5184, 58.4730, 160.4406



75.5519, 58.4730, 26.3296

# Complementary

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



35.0783, 58.4730, 45.5140



34.1920, 18.0005, 11.1265

# 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.



83.2806, 58.4730, 48.5986



35.0783, 58.4730, 45.5140



74.3742, 58.4730, 130.2394

# Square

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



35.0783, 58.4730, 45.5140



48.8121, 58.4730, 158.5752



82.8191, 58.4730, 86.1004



62.9394, 58.4730, 17.0428



# Rectangle

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



35.0783, 58.4730, 45.5140



37.3798, 58.4730, 111.2054



82.8191, 58.4730, 86.1004



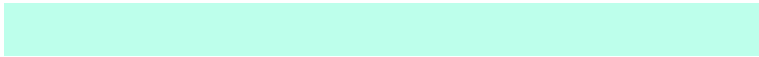
78.8883, 58.4730, 32.0741

# Sweetspot

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



35.0799, 58.4753, 45.5154



71.6021, 88.2725, 91.5197



32.2233, 57.7749, 10.4910



14.7885, 18.6266, 19.1284



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.



35.0799, 58.4753, 45.5154



43.6300, 74.6680, 53.3627



33.1211, 43.1642, 79.9874



14.6082, 16.2567, 17.4676



19.6226, 33.4812, 24.3108



1.4912, 2.4906, 2.0132



# Inverse Universe

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



34.1920, 18.0005, 11.1265



42.6390, 21.8196, 9.2971



34.0196, 20.2248, 3.1484



14.5591, 14.4408, 15.8789



19.1662, 9.8007, 4.5039

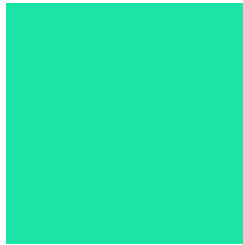


1.4568, 0.7404, 0.5459



# Previews

## White Background



This preview shows how the XYZ color 35.0783, 58.4730, 45.5140 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 35.0783, 58.4730, 45.5140 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

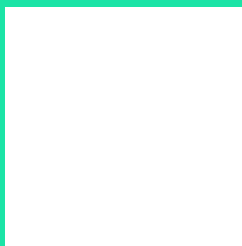
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 35.0783, 58.4730, 45.5140**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.0783, 58.4730, 45.5140.



This preview shows how white text looks on a background with the XYZ color 35.0783, 58.4730,



# 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

35.0783, 58.4730, 45.5140

### Protanopia

53.5315, 57.2600, 37.9366

### Deuteranopia

58.4845, 57.2492, 48.0121



## Tritanopia

43.7595, 58.3972, 89.0862

# Trichromacy



## Original Color

35.0783, 58.4730, 45.5140



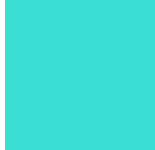
## Protanomaly

40.8095, 54.5473, 40.2761



## Deuteranomaly

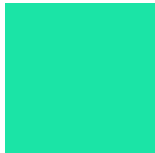
42.6996, 53.5715, 46.6179



## Tritanomaly

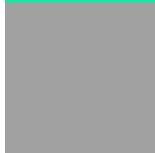
39.6828, 57.8755, 70.7076

# Monochromacy



## Original Color

35.0783, 58.4730, 45.5140



## Achromatopsia

33.8758, 35.6400, 38.8120



## Achromatomaly

30.6419, 40.7870, 40.9080

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.0783, 58.4730, 45.5140 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(27, 228, 166)` looks like.

```
.text, #text, p{  
    color:rgb(27, 228, 166)  
}
```

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(27, 228, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 228, 166) }
```

## Border

The CSS property to change the border of an element to XYZ 35.0783, 58.4730, 45.5140 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(27, 228, 166) }
```



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

```
.border{ border-color:rgb(27, 228, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 228, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 228, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 228, 166);  
box-shadow:4px 4px 4px 4px rgb(27, 228,  
166) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.0783, 58.4730, 45.5140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 228, 166) }
```

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

```
.background{ background-color: rgb(27, 228,  
166) }
```

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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