

# Converting Colors

XYZ(35.7790, 58.7720, 29.8804)

Have a look what the booklet for  
XYZ(35.7790, 58.7720, 29.8804)  
contains.

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# Color

**XYZ(35.7790, 58.7720,  
29.8805)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5CE380
RGB	92, 227, 128
RGB Percent	36%, 89%, 50%
CMY	0.6392, 0.1098, 0.4980
CMYK	0.59, 0.00, 0.44, 0.11
HSL	136°, 71%, 63%
HSV	136°, 59%, 89%
XYZ	35.7790, 58.7720, 29.8805
YIQ	175.3490, -48.6810, -59.4090

# Conversions

## Conversions Part 2

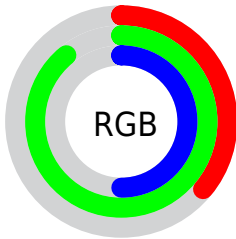
<b>Format</b>	<b>Color</b>
<b>RYB</b>	92, 199, 227
Decimal	6087552
CIELab	81.17, -57.80, 37.56
CIELCh	81, 68.929, 146.983
Yxy	58.7720, 0.2875, 0.4723
Android (android.graphics.Color)	4284277632 (0xFF5CE380)
YUV	175.3490, -23.3431, -73.0971
Hunter-Lab	76.6629, -50.8531, 30.5549

# Details

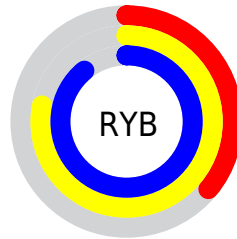
The XYZ color **35.7790, 58.7720, 29.8805** is a light color, and the websafe version is hex **33CC66**. The color can be described as light muted spring green. A complement of this color would be **44.9114, 27.7478, 52.2806**, and the grayscale version is **41.0650, 43.2036, 47.0487**.

A 20% lighter version of the original color is **57.3404, 81.6697, 56.9976**, and **15.7143, 29.2853, 11.8456** is the 20% darker color. If you saturate the color by 10%, you get **32.8348, 57.3722, 24.4853**, and if you desaturate by 10%, it is **39.5852, 60.5986, 36.2570**.

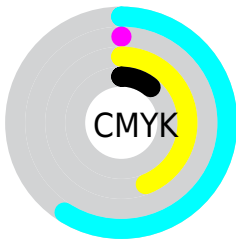
# Distribution



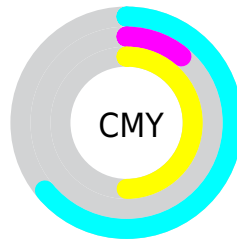
- Red (36%)
- Green (89%)
- Blue (50%)



- Red (36%)
- Yellow (78%)
- Blue (89%)



- Cyan (59%)
- Magenta (0%)
- Yellow (44%)
- Black (11%)




- Cyan (64%)
- Magenta (11%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.7790, 58.7720, 29.8805 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 35.7790, 58.7720, 29.8805 by changing the saturation by 10% instead.





 35.7790, 58.7720,  
29.8805


 35.7790, 58.7720,  
29.8805


319.4417,  
420.0565, 315.5370


 24.4329, 42.4296,  
19.4966


 68.0169, 103.0462,  
60.5319


 15.7815, 29.4378,  
11.8492


 89.6394, 131.7468,  
81.6365

 9.4595, 19.4123,  
6.5198


 115.4181,  
165.3356, 107.1518

 5.1016, 11.9686,  
3.0898

 145.7184,  
204.1970, 137.4963

 2.3424, 6.7223,  
1.1407

180.9055,  
248.7154, 173.0885

 0.8162, 3.2890,  
0.0000

221.3448,

 0.0000, 1.2844,

299.2752, 214.3470

0.0000

267.4018,  
356.2607, 261.6903

■ 0.0000, 0.1291,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 35.7790, 58.7720,  
29.8805

■ 35.7790, 58.7720,  
29.8805

■ 32.8348, 57.3722,  
24.4853

■ 39.5852, 60.5986,  
36.2570

■ 30.6765, 56.3563,  
20.0183

■ 44.3121, 62.8766,  
43.6564


■ 29.2219, 55.6844,  
16.4274


■ 50.0182, 65.6367,  
52.1226


■ 28.3388, 55.2896,  
13.6521


■ 56.7559, 68.9052,  
61.6959

 28.3001, 55.2724,  
13.5266

 64.5739, 72.7064,  
72.4144

 73.5174, 77.0628,  
84.3143

 83.6294, 81.9959,  
97.4303

 86.7602, 83.4204,  
106.1367

# Harmonies

## Analogous

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



44.2582, 58.7720, 16.2570



35.7790, 58.7720, 29.8805



32.5971, 58.7720, 59.9245

# Triad

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



35.7790, 58.7720, 29.8805



54.4218, 58.7720, 179.7218



84.2205, 58.7720, 34.4276

# Complementary

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



35.7790, 58.7720, 29.8805



44.9114, 27.7478, 52.2806

# 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.



88.1783, 58.7720, 68.2410



35.7790, 58.7720, 29.8805



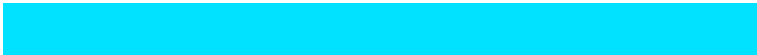
69.3328, 58.7720, 163.3476

# Square

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



35.7790, 58.7720, 29.8805



42.1399, 58.7720, 155.7046



82.3261, 58.7720, 117.4039



72.2776, 58.7720, 17.9823



# Rectangle

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



35.7790, 58.7720, 29.8805



33.4171, 58.7720, 89.9482



82.3261, 58.7720, 117.4039



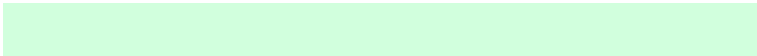
86.6090, 58.7720, 43.5827

# Sweetspot

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



35.7805, 58.7744, 29.8818



75.1793, 90.3285, 82.1173



50.8888, 66.7900, 20.3352



15.4992, 19.0464, 16.7501



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.



35.7805, 58.7744, 29.8818



42.1074, 74.3847, 30.6258



41.7914, 61.1788, 61.5348



14.3464, 16.1520, 16.0887



16.5454, 32.2502, 8.1062



1.2604, 2.3983, 0.7979



# Inverse Universe

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



44.9114, 27.7478, 52.2806



54.9136, 30.6422, 61.8719



39.1138, 25.4288, 21.7509



14.8224, 14.5462, 17.2653



22.5649, 11.1602, 22.4018



1.7055, 0.8399, 1.8556



# Previews

## White Background



This preview shows how the XYZ color 35.7790, 58.7720, 29.8805 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 35.7790, 58.7720, 29.8805 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

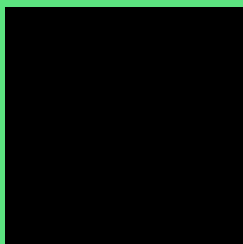
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 35.7790, 58.7720, 29.8805**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.7790, 58.7720, 29.8805.



This preview shows how white text looks on a background with the XYZ color 35.7790, 58.7720,



# 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

35.7790, 58.7720, 29.8805

### Protanopia

53.1377, 57.6766, 25.4716

### Deuteranopia

58.6713, 57.3899, 31.2776



## Tritanopia

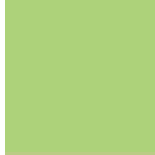
46.7511, 58.4920, 85.1700

# Trichromacy



## Original Color

35.7790, 58.7720, 29.8805



## Protanomaly

43.7930, 56.3826, 26.9871



## Deuteranomaly

46.0762, 55.3183, 30.4393



## Tritanomaly

41.4995, 57.8731, 60.0223

# Monochromacy



## Original Color

35.7790, 58.7720, 29.8805



## Achromatopsia

40.7470, 42.8690, 46.6844



## Achromatomaly

37.1404, 47.0719, 39.4760

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.7790, 58.7720, 29.8805 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(92, 227, 128)` looks like.

```
.text, #text, p{  
    color:rgb(92, 227, 128)  
}
```

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(92, 227, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 227, 128) }
```

## Border

The CSS property to change the border of an element to XYZ 35.7790, 58.7720, 29.8805 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(92, 227, 128) }
```



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

```
.border{ border-color:rgb(92, 227, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 227, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 227, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 227, 128);  
box-shadow:4px 4px 4px 4px rgb(92, 227,  
128) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.7790, 58.7720, 29.8805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 227, 128) }
```

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

```
.background{ background-color: rgb(92, 227,  
128) }
```

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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