

# Converting Colors

XYZ(35.6957, 58.4191, 36.0371)

Have a look what the booklet for  
XYZ(35.6957, 58.4191, 36.0371)  
contains.

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# Color

**XYZ(35.8044, 58.6448,  
36.2206)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4FE391
RGB	79, 227, 145
RGB Percent	31%, 89%, 57%
CMY	0.6902, 0.1098, 0.4314
CMYK	0.65, 0.00, 0.36, 0.11
HSL	147°, 73%, 60%
HSV	147°, 65%, 89%
XYZ	35.8044, 58.6448, 36.2206
YIQ	173.4000, -61.8860, -56.8780

# Conversions

## Conversions Part 2

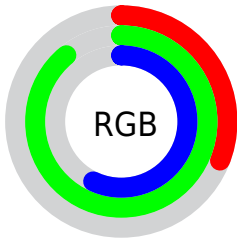
<b>Format</b>	<b>Color</b>
<b>RYB</b>	79, 181, 227
Decimal	5235601
CIELab	81.10, -57.41, 28.83
CIELCh	81, 64.242, 153.336
Yxy	58.6448, 0.2740, 0.4488
Android (android.graphics.Color)	4283425681 (0xFF4FE391)
YUV	173.4000, -14.0012, -82.7888
Hunter-Lab	76.5799, -50.5584, 25.5631

# Details

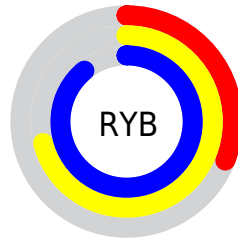
The XYZ color **35.8044, 58.6448, 36.2206** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **40.9095, 24.4973, 36.2926**, and the grayscale version is **40.0181, 42.1021, 45.8492**.

A 20% lighter version of the original color is **57.2241, 81.3943, 66.7275**, and **16.3951, 29.5576, 15.4308** is the 20% darker color. If you saturate the color by 10%, you get **33.3121, 57.4675, 31.3192**, and if you desaturate by 10%, it is **39.0516, 60.2020, 41.7204**.

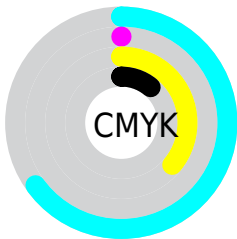
# Distribution



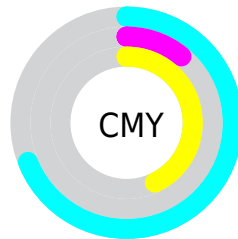
- Red (31%)
- Green (89%)
- Blue (57%)



- Red (31%)
- Yellow (71%)
- Blue (89%)



- Cyan (65%)
- Magenta (0%)
- Yellow (36%)
- Black (11%)




- Cyan (69%)
- Magenta (11%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8044, 58.6448, 36.2206 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 35.8044, 58.6448, 36.2206 by changing the saturation by 10% instead.





 35.8044, 58.6448,  
36.2206


 35.8044, 58.6448,  
36.2206


319.5510,  
419.5843, 344.9902


 24.4526, 42.3273,  
24.3136


 68.0559, 102.8612,  
70.5453


 15.7962, 29.3576,  
15.3520


 89.6863, 131.5289,  
93.8000

 9.4700, 19.3515,  
8.9175


 115.4736,  
165.0821, 121.6745

 5.1086, 11.9246,  
4.5913

 145.7831,  
203.9052, 154.5871

 2.3465, 6.6923,  
1.9550

180.9803,  
248.3825, 192.9564

 0.8183, 3.2704,  
0.5274

221.4304,

 0.0000, 1.2745,

298.8986, 237.2010

0.0000

267.4989,  
355.8377, 287.7395

■ 0.0000, 0.1213,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 35.8044, 58.6448,  
36.2206

■ 35.8044, 58.6448,  
36.2206

■ 33.3121, 57.4675,  
31.3192

■ 39.0516, 60.2020,  
41.7204

■ 31.4978, 56.6261,  
26.9907


■ 43.1114, 62.1638,  
47.8349


■ 30.2750, 56.0781,  
23.2131

■ 48.0412, 64.5609,  
54.5846

■ 29.8304, 55.8845,  
21.5856


■ 53.8912, 67.4189,  
61.9878

 60.7081, 70.7615,  
70.0619

 68.5351, 74.6107,  
78.8239

 77.4128, 78.9869,  
88.2899

 85.2867, 82.8310,  
98.3775

 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.



42.7906, 58.6448, 20.0244



35.8044, 58.6448, 36.2206



33.8417, 58.6448, 68.2287

# Triad

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



35.8044, 58.6448, 36.2206



57.2473, 58.6448, 168.9452



80.0524, 58.6448, 31.3765

# Complementary

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



35.8044, 58.6448, 36.2206



40.9095, 24.4973, 36.2926

# 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.



85.4919, 58.6448, 59.6708



35.8044, 58.6448, 36.2206



71.0695, 58.6448, 147.0642

# Square

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



35.8044, 58.6448, 36.2206



44.9968, 58.6448, 154.6523



81.9690, 58.6448, 102.8494



68.0703, 58.6448, 18.1138



# Rectangle

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



35.8044, 58.6448, 36.2206



35.3375, 58.6448, 97.6251



81.9690, 58.6448, 102.8494



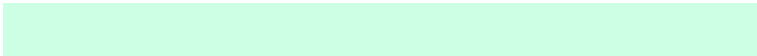
82.7862, 58.6448, 38.9366

# Sweetspot

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



35.8059, 58.6472, 36.2219



74.4915, 89.8892, 85.9114



43.9593, 63.2778, 17.2947



15.4175, 18.9818, 17.7594



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.



35.8059, 58.6472, 36.2219



42.4917, 74.4017, 38.8276



43.2371, 61.6197, 75.3543



14.4551, 16.1955, 16.6612



17.4533, 32.6134, 12.8873



1.3359, 2.4285, 1.1955



# Inverse Universe

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



40.9095, 24.4973, 36.2926



49.5698, 26.8623, 38.7945



36.2737, 22.6430, 11.8813



14.7096, 14.5010, 16.6710



20.7224, 10.4232, 12.6990

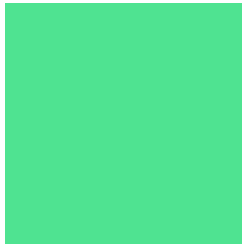


1.5779, 0.7889, 1.1839



# Previews

## White Background



This preview shows how the XYZ color 35.8044, 58.6448, 36.2206 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 35.8044, 58.6448, 36.2206 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 35.8044, 58.6448, 36.2206**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.8044, 58.6448, 36.2206.



This preview shows how white text looks on a background with the XYZ color 35.8044, 58.6448,



# 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

35.8044, 58.6448, 36.2206

### Protanopia

53.5726, 57.7815, 30.8836

### Deuteranopia

58.8604, 57.6613, 38.1645



## Tritanopia

45.7138, 58.3035, 86.6862

# Trichromacy



## Original Color

35.8044, 58.6448, 36.2206



## Protanomaly

43.5704, 56.1437, 32.5852



## Deuteranomaly

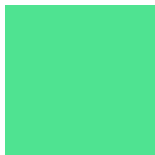
45.6964, 55.3296, 37.1254



## Tritanomaly

41.2909, 58.0473, 64.9051

# Monochromacy



## Original Color

35.8044, 58.6448, 36.2206



## Achromatopsia

39.7200, 41.7885, 45.5077



## Achromatomaly

36.3283, 46.2732, 41.6673

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.8044, 58.6448, 36.2206 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(79, 227, 145)` looks like.

```
.text, #text, p{  
  color:rgb(79, 227, 145)  
}
```

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(79, 227, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 227, 145) }
```

## Border

The CSS property to change the border of an element to XYZ 35.8044, 58.6448, 36.2206 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(79, 227, 145) }
```



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

```
.border{ border-color:rgb(79, 227, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 227, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 227, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 227, 145);  
box-shadow:4px 4px 4px 4px rgb(79, 227,  
145) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.8044, 58.6448, 36.2206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 227, 145) }
```

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

```
.background{ background-color: rgb(79, 227,  
145) }
```

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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