

# Converting Colors

XYZ(33.9060, 57.9933, 20.6975)

Have a look what the booklet for  
XYZ(33.9060, 57.9933, 20.6975)  
contains.

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# Color

**XYZ(33.9411, 58.0254,  
20.7204)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5BE361
RGB	91, 227, 97
RGB Percent	36%, 89%, 38%
CMY	0.6431, 0.1098, 0.6196
CMYK	0.60, 0.00, 0.57, 0.11
HSL	123°, 71%, 62%
HSV	123°, 60%, 89%
XYZ	33.9411, 58.0254, 20.7204
YIQ	171.5160, -39.3260, -69.2620

# Conversions

## Conversions Part 2

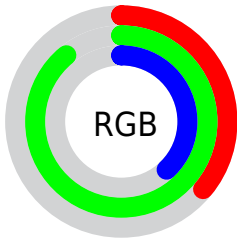
<b>Format</b>	<b>Color</b>
<b>RYB</b>	91, 221, 227
Decimal	6021985
CIELab	80.75, -62.31, 51.78
CIElCh	81, 81.013, 140.274
Yxy	58.0254, 0.3012, 0.5149
Android (android.graphics.Color)	4284212065 (0xFF5BE361)
YUV	171.5160, -36.7364, -70.6125
Hunter-Lab	76.1744, -53.7708, 37.1945

# Details

The XYZ color **33.9411, 58.0254, 20.7204** is a dark color, and the websafe version is hex **33CC33**. The color can be described as middle muted spring green. A complement of this color would be **48.4723, 29.0343, 71.4566**, and the grayscale version is **39.1631, 41.2027, 44.8697**.

A 20% lighter version of the original color is **54.4828, 80.5267, 41.9498**, and **14.8108, 28.9239, 7.0878** is the 20% darker color. If you saturate the color by 10%, you get **31.1556, 56.6925, 16.0122**, and if you desaturate by 10%, it is **37.6827, 59.8227, 26.9199**.

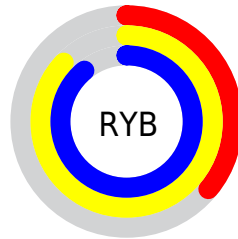
# Distribution



Red (36%)

Green (89%)

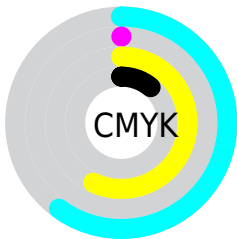
Blue (38%)



Red (36%)

Yellow (87%)

Blue (89%)

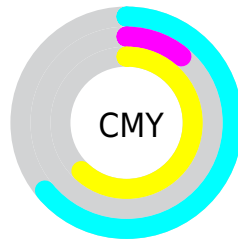


Cyan (60%)

Magenta (0%)

Yellow (57%)

Black (11%)



Cyan (64%)

Magenta (11%)

Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9411, 58.0254, 20.7204 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 33.9411, 58.0254, 20.7204 by changing the saturation by 10% instead.



33.9411, 58.0254,  
20.7204

33.9411, 58.0254,  
20.7204

311.4599,  
417.2806, 268.5209

23.0110, 41.8291,  
12.7305

65.1870, 101.9598,  
45.4965

14.7224, 28.9675,  
7.1147

86.2335, 130.4668,  
63.1197

8.7098, 19.0562,  
3.4544

111.3828,  
163.8460, 84.7912

4.6080, 11.7109,  
1.3311

141.0004,  
202.4819, 110.9295

2.0515, 6.5471,  
0.0871

175.4515,  
246.7589, 141.9530

0.6627, 3.1805,  
0.0000

215.1016,

0.0000, 1.2267,

297.0615, 178.2804

0.0000

260.3159,  
353.7739, 220.3302

■ 0.0000, 0.0834,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 33.9411, 58.0254,  
20.7204

■ 33.9411, 58.0254,  
20.7204

■ 31.1556, 56.6925,  
16.0122

■ 37.6827, 59.8227,  
26.9199

■ 29.2357, 55.7748,  
12.6666


■ 42.4521, 62.1137,  
34.7177


■ 28.0808, 55.2253,  
10.5395


■ 48.3189, 64.9340,  
44.2154


■ 27.5287, 54.9642,  
9.4514

■ 55.3454, 68.3137,  
55.5049

 27.5252, 54.9625,  
9.4458

 63.5894, 72.2808,  
68.6718

 73.1047, 76.8612,  
83.7962

 83.9420, 82.0795,  
100.9533

 86.7603, 83.4205,  
106.1368

# Harmonies

## Analogous

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



44.7473, 58.0254, 10.1961



33.9411, 58.0254, 20.7204



29.1510, 58.0254, 48.8699

# Triad

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



33.9411, 58.0254, 20.7204



49.8977, 58.0254, 204.2610



91.1286, 58.0254, 36.3508

# Complementary

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



33.9411, 58.0254, 20.7204



48.4723, 29.0343, 71.4566

# 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.



93.2826, 58.0254, 80.0415



33.9411, 58.0254, 20.7204



67.0547, 58.0254, 194.8345

# Square

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



33.9411, 58.0254, 20.7204



37.0544, 58.0254, 163.7098



83.7481, 58.0254, 142.1592



78.3491, 58.0254, 15.5353



# Rectangle

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



33.9411, 58.0254, 20.7204



29.1858, 58.0254, 81.0596



83.7481, 58.0254, 142.1592



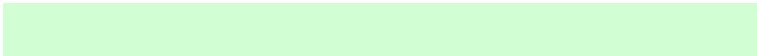
93.2069, 58.0254, 48.1438

# Sweetspot

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



33.9425, 58.0278, 20.7217



73.8565, 89.7994, 75.1513



59.6272, 71.2999, 20.5171



15.1827, 18.9198, 15.0836



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.



33.9425, 58.0278, 20.7217



39.8177, 73.4467, 19.5718



38.4436, 59.8283, 44.4243



14.2150, 16.0994, 15.3969



16.0632, 32.0574, 5.5673



1.1962, 2.3726, 0.4596



# Inverse Universe

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



48.4723, 29.0343, 71.4566



60.2911, 32.5265, 91.0117



41.2929, 26.1625, 33.6505



14.9662, 14.6037, 18.0223



25.7896, 12.4501, 39.3826

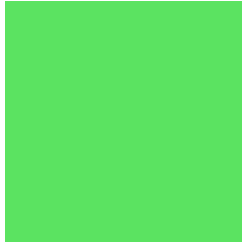


1.9143, 0.9234, 2.9554



# Previews

## White Background



This preview shows how the XYZ color 33.9411, 58.0254, 20.7204 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 33.9411, 58.0254, 20.7204 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 33.9411, 58.0254, 20.7204**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.9411, 58.0254, 20.7204.



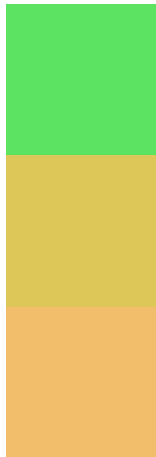
This preview shows how white text looks on a background with the XYZ color 33.9411, 58.0254,



# 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

33.9411, 58.0254, 20.7204

### Protanopia

52.0037, 56.9236, 17.4790

### Deuteranopia

58.0294, 56.9431, 21.8426



## Tritanopia

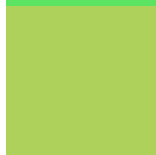
46.3894, 57.5868, 83.5333

# Trichromacy



## Original Color

33.9411, 58.0254, 20.7204



## Protanomaly

42.1444, 55.3549, 18.3609



## Deuteranomaly

44.5432, 54.3825, 20.9812



## Tritanomaly

40.1970, 56.9650, 53.1327

# Monochromacy



## Original Color

33.9411, 58.0254, 20.7204



## Achromatopsia

39.2122, 41.2543, 44.9259



## Achromatomaly

35.2882, 45.5832, 33.7266

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.9411, 58.0254, 20.7204 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(91, 227, 97)` looks like.

```
.text, #text, p{  
    color:rgb(91, 227, 97)  
}
```

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(91, 227, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 227, 97) }
```

## Border

The CSS property to change the border of an element to XYZ 33.9411, 58.0254, 20.7204 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(91, 227, 97) }
```



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

```
.border{ border-color:rgb(91, 227, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 227, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 227, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 227, 97);  
box-shadow:4px 4px 4px 4px rgb(91, 227,  
97) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.9411, 58.0254, 20.7204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 227, 97) }
```

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

```
.background{ background-color: rgb(91, 227,  
97) }
```

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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