

Converting Colors

XYZ(33.9362, 58.0082, 20.8570)

Have a look what the booklet for
XYZ(33.9362, 58.0082, 20.8570)
contains.

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Color

**XYZ(33.9881, 58.0442,
20.9676)**

Conversions

Conversions Part 1

Format	Color
Hex	5BE362
RGB	91, 227, 98
RGB Percent	36%, 89%, 38%
CMY	0.6431, 0.1098, 0.6157
CMYK	0.60, 0.00, 0.57, 0.11
HSL	123°, 71%, 62%
HSV	123°, 60%, 89%
XYZ	33.9881, 58.0442, 20.9676
YIQ	171.6300, -39.6470, -68.9510

Conversions

Conversions Part 2

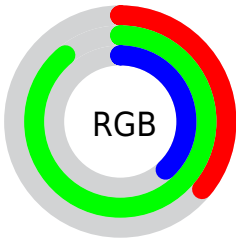
Format	Color
RYB	91, 220, 227
Decimal	6021986
CIELab	80.76, -62.19, 51.34
CIELCh	81, 80.642, 140.459
Yxy	58.0442, 0.3008, 0.5137
Android (android.graphics.Color)	4284212066 (0xFF5BE362)
YUV	171.6300, -36.2996, -70.7125
Hunter-Lab	76.1867, -53.6952, 37.0133

Details

The XYZ color **33.9881, 58.0442, 20.9676** 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 **48.3395, 28.9813, 70.7572**, and the grayscale version is **39.2189, 41.2613, 44.9335**.

A 20% lighter version of the original color is **54.5644, 80.5593, 42.3794**, and **14.8293, 28.9313, 7.1856** is the 20% darker color. If you saturate the color by 10%, you get **31.1962, 56.7087, 16.2255**, and if you desaturate by 10%, it is **37.7329, 59.8427, 27.1839**.

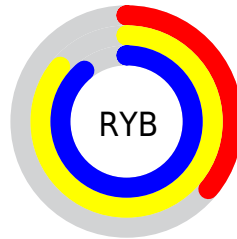
Distribution



Red (36%)

Green (89%)

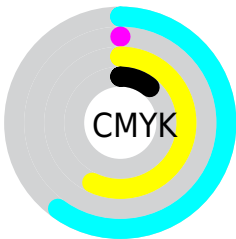
Blue (38%)



Red (36%)

Yellow (86%)

Blue (89%)

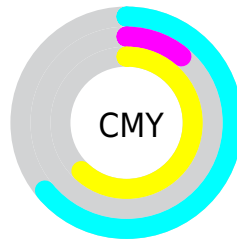


Cyan (60%)

Magenta (0%)

Yellow (57%)

Black (11%)



Cyan (64%)


Magenta (11%)


Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9881, 58.0442, 20.9676 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 33.9881, 58.0442, 20.9676 by changing the saturation by 10% instead.


 33.9881, 58.0442,
20.9676


 33.9881, 58.0442,
20.9676


311.6658,
417.3506, 269.8816


 23.0473, 41.8442,
12.9093


 65.2596, 101.9872,
45.9137


 14.7493, 28.9793,
7.2361


 86.3210, 130.4990,
63.6386

 8.7288, 19.0652,
3.5295


 111.4866,
163.8835, 85.4227

 4.6204, 11.7174,
1.3710

 141.1218,
202.5251, 111.6847

 2.0588, 6.5515,
0.1189

175.5920,
246.8083, 142.8431

 0.6666, 3.1833,
0.0000

215.2625,

 0.0000, 1.2281,

297.1173, 179.3163

0.0000

260.4987,
353.8366, 221.5230

■ 0.0000, 0.0845,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.9881, 58.0442,
20.9676

■ 33.9881, 58.0442,
20.9676

■ 31.1962, 56.7087,
16.2255

■ 37.7329, 59.8427,
27.1839

■ 29.2672, 55.7874,
12.8325


■ 42.5017, 62.1335,
34.9783


■ 28.1016, 55.2336,
10.6491


■ 48.3635, 64.9519,
44.4499


■ 27.5384, 54.9680,
9.5024


■ 55.3804, 68.3277,
55.6886

 27.5347, 54.9663,
9.4963

 63.6097, 72.2889,
68.7778

 73.1048, 76.8612,
83.7956

 83.9161, 82.0691,
100.8156

 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.



44.7228, 58.0442, 10.3506



33.9881, 58.0442, 20.9676



29.2461, 58.0442, 49.1939

Triad

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



33.9881, 58.0442, 20.9676



50.0332, 58.0442, 203.5078



90.9106, 58.0442, 36.2737

Complementary

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



33.9881, 58.0442, 20.9676



48.3395, 28.9813, 70.7572

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.



93.1269, 58.0442, 79.6408



33.9881, 58.0442, 20.9676



67.1276, 58.0442, 193.8244

Square

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



33.9881, 58.0442, 20.9676



37.2015, 58.0442, 163.4942



83.7096, 58.0442, 141.3421



78.1524, 58.0442, 15.5963

Rectangle

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



33.9881, 58.0442, 20.9676



29.3045, 58.0442, 81.3396



83.7096, 58.0442, 141.3421



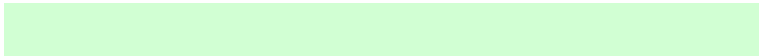
93.0008, 58.0442, 47.9806

Sweetspot

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



33.9895, 58.0466, 20.9689



73.8989, 89.8163, 75.3745



58.9356, 70.9434, 20.4849



15.1928, 18.9238, 15.1367



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.



33.9895, 58.0466, 20.9689



39.8677, 73.4667, 19.8351



38.6496, 59.9106, 45.5085



14.2193, 16.1011, 15.4194



16.0704, 32.0603, 5.6052



1.1982, 2.3734, 0.4704

Inverse Universe

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



48.3395, 28.9813, 70.7572



60.0837, 32.4435, 89.9195



41.1052, 26.0875, 32.6617



14.9614, 14.6017, 17.9970



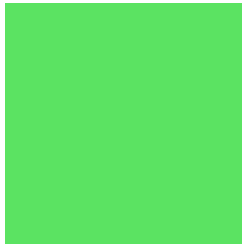
25.6655, 12.4004, 38.7291



1.9065, 0.9203, 2.9141

Previews

White Background



This preview shows how the XYZ color 33.9881, 58.0442, 20.9676 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 33.9881, 58.0442, 20.9676 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 33.9881, 58.0442, 20.9676

Background



This preview shows how black text looks on a background with the XYZ color 33.9881, 58.0442, 20.9676.



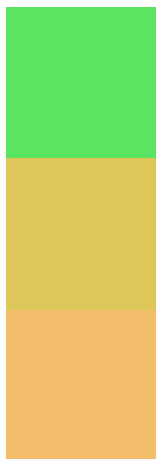
This preview shows how white text looks on a background with the XYZ color 33.9881, 58.0442,

20.9676.

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

33.9881, 58.0442, 20.9676

Protanopia

52.0454, 56.9403, 17.6987

Deuteranopia

58.0824, 56.9643, 22.1213



Tritanopia

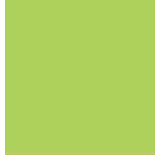
46.3894, 57.5868, 83.5333

Trichromacy



Original Color

33.9881, 58.0442, 20.9676



Protanomaly

42.1878, 55.3723, 18.5896



Deuteranomaly

44.5937, 54.4027, 21.2471



Tritanomaly

40.1970, 56.9650, 53.1327

Monochromacy



Original Color

33.9881, 58.0442, 20.9676



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 33.9881, 58.0442, 20.9676 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, 98)` looks like.

```
.text, #text, p{  
    color:rgb(91, 227, 98)  
}
```

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, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 227, 98) }
```

Border

The CSS property to change the border of an element to XYZ 33.9881, 58.0442, 20.9676 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, 98) }
```


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

```
.border{ border-color:rgb(91, 227, 98) }
```

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, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 227, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 227, 98);  
box-shadow:4px 4px 4px 4px rgb(91, 227,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9881, 58.0442, 20.9676 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, 98) }
```

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

```
.background{ background-color: rgb(91, 227,  
98) }
```

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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