

Converting Colors

XYZ(33.8062, 57.9507, 20.1791)

Have a look what the booklet for
XYZ(33.8062, 57.9507, 20.1791)
contains.

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Color

**XYZ(33.8490, 57.9885,
20.2354)**

Conversions

Conversions Part 1

Format	Color
Hex	5BE35F
RGB	91, 227, 95
RGB Percent	36%, 89%, 37%
CMY	0.6431, 0.1098, 0.6274
CMYK	0.60, 0.00, 0.58, 0.11
HSL	122°, 71%, 62%
HSV	122°, 60%, 89%
XYZ	33.8490, 57.9885, 20.2354
YIQ	171.2880, -38.6840, -69.8840

Conversions

Conversions Part 2

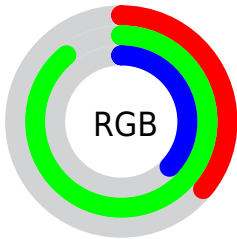
Format	Color
RYB	91, 223, 227
Decimal	6021983
CIELab	80.73, -62.54, 52.65
CIELCh	81, 81.749, 139.909
Yxy	57.9885, 0.3020, 0.5174
Android (android.graphics.Color)	4284212063 (0xFF5BE35F)
YUV	171.2880, -37.6100, -70.4126
Hunter-Lab	76.1502, -53.9190, 37.5500

Details

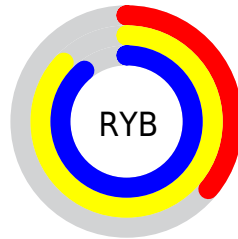
The XYZ color **33.8490, 57.9885, 20.2354** is a dark color, and the websafe version is hex **33CC33**. The color can be described as middle muted green. A complement of this color would be **48.7404, 29.1416, 72.8685**, and the grayscale version is **39.0520, 41.0858, 44.7424**.

A 20% lighter version of the original color is **54.3217, 80.4622, 41.1015**, and **14.7750, 28.9095, 6.8992** is the 20% darker color. If you saturate the color by 10%, you get **31.0768, 56.6609, 15.5972**, and if you desaturate by 10%, it is **37.5838, 59.7830, 26.3992**.

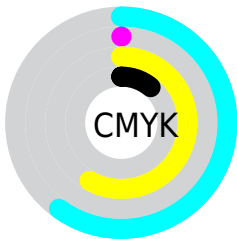
Distribution



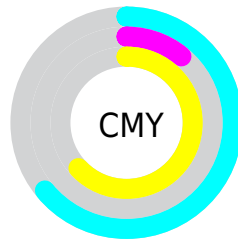
- Red (36%)
- Green (89%)
- Blue (37%)



- Red (36%)
- Yellow (87%)
- Blue (89%)



- Cyan (60%)
- Magenta (0%)
- Yellow (58%)
- Black (11%)



- Cyan (64%)
- Magenta (11%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8490, 57.9885, 20.2354 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 33.8490, 57.9885, 20.2354 by changing the saturation by 10% instead.

33.8490, 57.9885,
20.2354

33.8490, 57.9885,
20.2354

311.0560,
417.1431, 265.8329

22.9400, 41.7994,
12.3805

65.0446, 101.9061,
44.6756

14.6696, 28.9443,
6.8777

86.0619, 130.4034,
62.0981

8.6727, 19.0387,
3.3084

111.1794,
163.7722, 83.5468

4.5837, 11.6982,
1.2542

140.7623,
202.3970, 109.4402

2.0374, 6.5385,
0.0238

175.1761,
246.6621, 140.1970

0.6548, 3.1752,
0.0000

214.7860,

0.0000, 1.2239,

296.9518, 176.2357

0.0000

259.9576,
353.6507, 217.9748

■ 0.0000, 0.0811,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.8490, 57.9885,
20.2354

■ 33.8490, 57.9885,
20.2354

■ 31.0768, 56.6609,
15.5972

■ 37.5838, 59.7830,
26.3992

■ 29.1752, 55.7505,
12.3482


■ 42.3541, 62.0744,
34.2016


■ 28.0419, 55.2097,
10.3350


■ 48.2304, 64.8985,
43.7494


■ 27.5104, 54.9568,
9.3552

■ 55.2760, 68.2859,
55.1394

 27.5068, 54.9551,
9.3495

 63.5494, 72.2647,
68.4612

 73.1052, 76.8613,
83.7985

 83.9947, 82.1005,
101.2302

 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.



44.7973, 57.9885, 9.8945



33.8490, 57.9885, 20.2354



28.9634, 57.9885, 48.2295

Triad

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



33.8490, 57.9885, 20.2354



49.6292, 57.9885, 205.7573



91.5622, 57.9885, 36.5064

Complementary

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



33.8490, 57.9885, 20.2354



48.7404, 29.1416, 72.8685

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.



93.5914, 57.9885, 80.8438



33.8490, 57.9885, 20.2354



66.9095, 57.9885, 196.8486

Square

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



33.8490, 57.9885, 20.2354



36.7637, 57.9885, 164.1332



83.8238, 57.9885, 143.7924



78.7413, 57.9885, 15.4160

Rectangle

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



33.8490, 57.9885, 20.2354



28.9518, 57.9885, 80.5030



83.8238, 57.9885, 143.7924



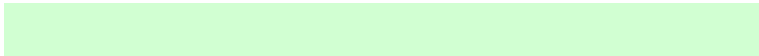
93.6168, 57.9885, 48.4717

Sweetspot

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



33.8504, 57.9909, 20.2367



73.7720, 89.7656, 74.7062



60.3281, 71.6612, 20.5500



15.1626, 18.9117, 14.9778



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.



33.8504, 57.9909, 20.2367



39.7206, 73.4078, 19.0607



38.2414, 59.7473, 43.3596



14.2064, 16.0960, 15.3519



16.0489, 32.0516, 5.4916



1.1921, 2.3709, 0.4379

Inverse Universe

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



48.7404, 29.1416, 72.8685



60.7107, 32.6943, 93.2210



41.4842, 26.2391, 34.6583



14.9758, 14.6075, 18.0731



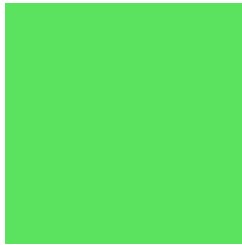
26.0417, 12.5509, 40.7099



1.9302, 0.9298, 3.0390

Previews

White Background



This preview shows how the XYZ color 33.8490, 57.9885, 20.2354 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 33.8490, 57.9885, 20.2354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

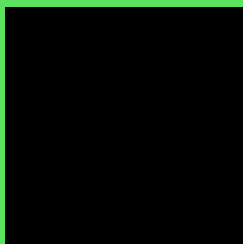
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.8490, 57.9885, 20.2354

Background



This preview shows how black text looks on a background with the XYZ color 33.8490, 57.9885, 20.2354.



This preview shows how white text looks on a background with the XYZ color 33.8490, 57.9885,

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

33.8490, 57.9885, 20.2354

Protanopia

51.9219, 56.8909, 17.0486

Deuteranopia

58.0556, 56.6482, 21.2389



Tritanopia

46.3894, 57.5868, 83.5333

Trichromacy



Original Color

33.8490, 57.9885, 20.2354



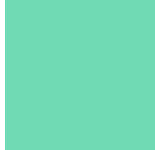
Protanomaly

42.0592, 55.3209, 17.9124



Deuteranomaly

44.4439, 54.3428, 20.4587



Tritanomaly

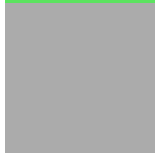
40.0940, 56.9237, 52.5903

Monochromacy



Original Color

33.8490, 57.9885, 20.2354



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

34.7441, 44.9956, 32.8404

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8490, 57.9885, 20.2354 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, 95)` looks like.

```
.text, #text, p{  
    color:rgb(91, 227, 95)  
}
```

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, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 227, 95) }
```

Border

The CSS property to change the border of an element to XYZ 33.8490, 57.9885, 20.2354 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, 95) }
```


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

```
.border{ border-color:rgb(91, 227, 95) }
```

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, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 227, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 227, 95);  
box-shadow:4px 4px 4px 4px rgb(91, 227,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8490, 57.9885, 20.2354 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, 95) }
```

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

```
.background{ background-color: rgb(91, 227,  
95) }
```

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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