

Converting Colors

XYZ(33.7866, 58.0535, 19.2925)

Have a look what the booklet for
XYZ(33.7866, 58.0535, 19.2925)
contains.

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Color

**XYZ(33.7710, 57.9688,
19.3067)**

Conversions

Conversions Part 1

Format	Color
Hex	5CE35B
RGB	92, 227, 91
RGB Percent	36%, 89%, 36%
CMY	0.6392, 0.1098, 0.6431
CMYK	0.59, 0.00, 0.60, 0.11
HSL	120°, 71%, 62%
HSV	120°, 60%, 89%
XYZ	33.7710, 57.9688, 19.3067
YIQ	171.1310, -36.8040, -70.9160

Conversions

Conversions Part 2

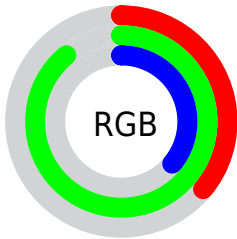
Format	Color
RYB	91, 227, 226
Decimal	6087515
CIELab	80.72, -62.77, 54.40
CIELCh	81, 83.060, 139.083
Yxy	57.9688, 0.3041, 0.5220
Android (android.graphics.Color)	4284277595 (0xFF5CE35B)
YUV	171.1310, -39.5046, -69.3979
Hunter-Lab	76.1372, -54.0657, 38.2615

Details

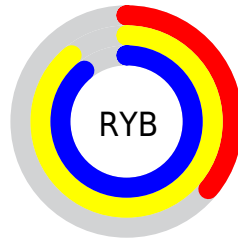
The XYZ color **33.7710, 57.9688, 19.3067** is a dark color, and the websafe version is hex **33CC33**. The color can be described as middle muted green. A complement of this color would be **48.9737, 29.1992, 75.7309**, and the grayscale version is **38.9814, 41.0114, 44.6615**.

A 20% lighter version of the original color is **54.1973, 80.4344, 39.4570**, and **14.6781, 28.8708, 6.3891** is the 20% darker color. If you saturate the color by 10%, you get **31.0104, 56.6439, 14.8165**, and if you desaturate by 10%, it is **37.4998, 59.7620, 25.3903**.

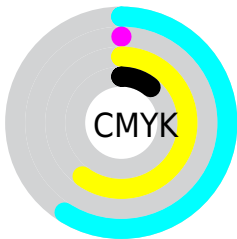
Distribution



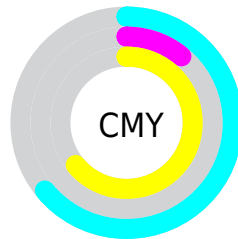
- Red (36%)
- Green (89%)
- Blue (36%)



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



- Cyan (59%)
- Magenta (0%)
- Yellow (60%)
- Black (11%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.7710, 57.9688, 19.3067 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 33.7710, 57.9688, 19.3067 by changing the saturation by 10% instead.


 33.7710, 57.9688,
19.3067


 33.7710, 57.9688,
19.3067


310.7137,
417.0697, 260.6156


 22.8798, 41.7836,
11.7130


 64.9241, 101.8774,
43.0953


 14.6250, 28.9319,
6.4284


 85.9166, 130.3696,
60.1273

 8.6412, 19.0293,
3.0343


 111.0070,
163.7329, 81.1425

 4.5631, 11.6914,
1.1122

 140.5605,
202.3517, 106.5595

 2.0254, 6.5339,
0.0000

174.9426,
246.6103, 136.7968

 0.6482, 3.1724,
0.0000

214.5186,

 0.0000, 1.2224,

296.8933, 172.2728

0.0000

259.6538,
353.5849, 213.4063

■ 0.0000, 0.0799,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.7710, 57.9688,
19.3067

■ 33.7710, 57.9688,
19.3067

■ 31.0104, 56.6439,
14.8165

■ 37.4998, 59.7620,
25.3903

■ 29.1248, 55.7374,
11.7673


■ 42.2708, 62.0538,
33.1933


■ 28.0101, 55.2011,
9.9841


■ 48.1553, 64.8801,
42.8338


■ 27.4947, 54.9530,
9.1637

■ 55.2174, 68.2716,
54.4182

 27.4911, 54.9512,
9.1577

 63.5163, 72.2568,
68.0448

 73.1072, 76.8622,
83.8053

 84.0419, 82.1126,
101.7858

 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.



45.0170, 57.9688, 9.3594



33.7710, 57.9688, 19.3067



28.6753, 57.9688, 46.8889

Triad

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



33.7710, 57.9688, 19.3067



49.0934, 57.9688, 208.3983



92.4466, 57.9688, 37.0318

Complementary

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



33.7710, 57.9688, 19.3067



48.9737, 29.1992, 75.7309

Split Complementary

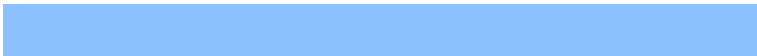
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.1712, 57.9688, 82.7169



33.7710, 57.9688, 19.3067



66.5809, 57.9688, 200.7847

Square

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



33.7710, 57.9688, 19.3067



36.2209, 57.9688, 164.5766



83.9172, 57.9688, 147.2317



79.6032, 57.9688, 15.3080

Rectangle

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



33.7710, 57.9688, 19.3067



28.5571, 57.9688, 79.2090



83.9172, 57.9688, 147.2317



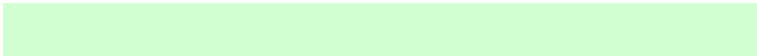
94.4330, 57.9688, 49.3689

Sweetspot

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



33.7724, 57.9712, 19.3080



73.6991, 89.7474, 73.8252



60.4227, 70.7956, 20.3787



15.1453, 18.9074, 14.7687



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.



33.7724, 57.9712, 19.3080



39.6386, 73.3866, 18.1046



37.8484, 59.5902, 41.2881



14.1991, 16.0942, 15.2626



16.0364, 32.0486, 5.3408



1.1885, 2.3701, 0.3948

Inverse Universe

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



48.9737, 29.1992, 75.7309



61.0757, 32.7833, 97.7165



41.8783, 26.3972, 36.7315



14.9842, 14.6096, 18.1745



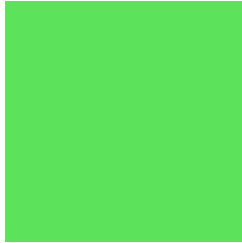
26.2615, 12.6042, 43.4319



1.9440, 0.9332, 3.2096

Previews

White Background



This preview shows how the XYZ color 33.7710, 57.9688, 19.3067 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 33.7710, 57.9688, 19.3067 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 33.7710, 57.9688, 19.3067

Background



This preview shows how black text looks on a background with the XYZ color 33.7710, 57.9688, 19.3067.

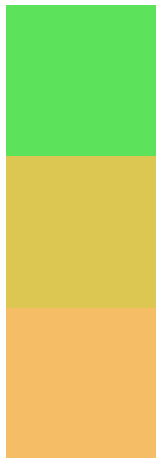


This preview shows how white text looks on a background with the XYZ color 33.7710, 57.9688,

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

33.7710, 57.9688, 19.3067

Protanopia

51.8036, 56.8435, 16.4252

Deuteranopia

57.9041, 56.5876, 20.4410



Tritanopia

46.5346, 57.6616, 83.5401

Trichromacy



Original Color

33.7710, 57.9688, 19.3067



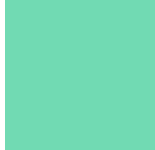
Protanomaly

41.9357, 55.2715, 17.2623



Deuteranomaly

44.5468, 54.4125, 19.7101



Tritanomaly

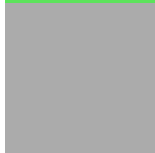
40.0181, 56.9082, 51.5230

Monochromacy



Original Color

33.7710, 57.9688, 19.3067



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

34.6686, 44.9654, 32.4431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7710, 57.9688, 19.3067 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, 91)` looks like.

```
.text, #text, p{  
    color:rgb(92, 227, 91)  
}
```

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, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 227, 91) }
```

Border

The CSS property to change the border of an element to XYZ 33.7710, 57.9688, 19.3067 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, 91) }
```


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

```
.border{ border-color:rgb(92, 227, 91) }
```

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, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 227, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 227, 91);  
box-shadow:4px 4px 4px 4px rgb(92, 227,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7710, 57.9688, 19.3067 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, 91) }
```

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

```
.background{ background-color: rgb(92, 227,  
91) }
```

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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