

Converting Colors

XYZ(33.5635, 57.9211, 16.6186)

Have a look what the booklet for
XYZ(33.5635, 57.9211, 16.6186)
contains.

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Color

**XYZ(33.5635, 57.9211,
16.6186)**

Conversions

Conversions Part 1

Format	Color
Hex	5FE34E
RGB	95, 227, 78
RGB Percent	37%, 89%, 31%
CMY	0.6275, 0.1098, 0.6941
CMYK	0.58, 0.00, 0.66, 0.11
HSL	113°, 73%, 60%
HSV	113°, 66%, 89%
XYZ	33.5635, 57.9211, 16.6186
YIQ	170.5460, -30.8430, -74.3230

Conversions

Conversions Part 2

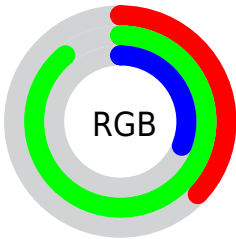
Format	Color
RYB	78, 227, 210
Decimal	6284110
CIELab	80.69, -63.38, 59.83
CIELCh	81, 87.159, 136.648
Yxy	57.9211, 0.3105, 0.5358
Android (android.graphics.Color)	4284474190 (0xFF5FE34E)
YUV	170.5460, -45.6252, -66.2538
Hunter-Lab	76.1059, -54.4650, 40.3275

Details

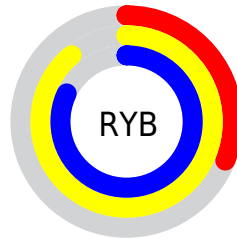
The XYZ color **33.5635, 57.9211, 16.6186** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **43.1713, 24.6987, 75.1681**, and the grayscale version is **38.7147, 40.7309, 44.3560**.

A 20% lighter version of the original color is **53.8983, 80.3816, 34.8648**, and **14.4411, 28.7760, 5.1410** is the 20% darker color. If you saturate the color by 10%, you get **31.0601, 56.7107, 12.9620**, and if you desaturate by 10%, it is **36.8896, 59.5267, 21.7818**.

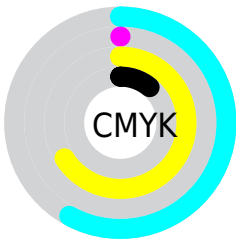
Distribution



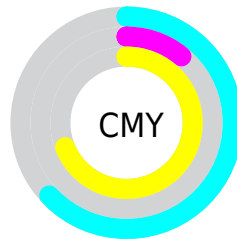
- Red (37%)
- Green (89%)
- Blue (31%)



- Red (31%)
- Yellow (89%)
- Blue (82%)



- Cyan (58%)
- Magenta (0%)
- Yellow (66%)
- Black (11%)





- Cyan (63%)
- Magenta (11%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5635, 57.9211, 16.6186 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 33.5635, 57.9211, 16.6186 by changing the saturation by 10% instead.


 33.5635, 57.9211,
16.6186


 33.5635, 57.9211,
16.6186


309.8016,
416.8919, 244.9339


 22.7198, 41.7452,
9.8039


 64.6031, 101.8080,
38.4505

 14.5063, 28.9018,
5.1652


 85.5297, 130.2877,
54.3047


 8.5577, 19.0066,
2.2841


 110.5479,
163.6376, 74.0091

 4.5086, 11.6750,
0.7223

 140.0232,
202.2419, 97.9824

 1.9937, 6.5228,
0.0000

 174.3209,
246.4851, 126.6429

 0.6304, 3.1655,
0.0000

213.8062,

 0.0000, 1.2187,

296.7516, 160.4093

0.0000

258.8447,
353.4257, 199.7001

■ 0.0000, 0.0769,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.5635, 57.9211,
16.6186

■ 33.5635, 57.9211,
16.6186

■ 31.0601, 56.7107,
12.9620

■ 36.8896, 59.5267,
21.7818

■ 29.3026, 55.8541,
10.6464


■ 41.0983, 61.5501,
28.5865


■ 28.2064, 55.3137,
9.4744


■ 46.2485, 64.0207,
37.1570


■ 27.8935, 55.1587,
9.1766

■ 52.3927, 66.9633,
47.6047

 59.5796, 70.4007,
60.0316

 67.8549, 74.3544,
74.5326

 77.2612, 78.8444,
91.1964

 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.



45.7384, 57.9211, 7.8415



33.5635, 57.9211, 16.6186



27.8218, 57.9211, 42.8710

Triad

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



33.5635, 57.9211, 16.6186



47.4555, 57.9211, 216.5604



95.2146, 57.9211, 38.7607

Complementary

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



33.5635, 57.9211, 16.6186



43.1713, 24.6987, 75.1681

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.



95.9574, 57.9211, 88.7769



33.5635, 57.9211, 16.6186



65.5517, 57.9211, 213.2258

Square

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



33.5635, 57.9211, 16.6186



34.5838, 57.9211, 165.7986



84.1788, 57.9211, 158.2522



82.3280, 57.9211, 15.0191

Rectangle

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



33.5635, 57.9211, 16.6186



27.3792, 57.9211, 75.2247



84.1788, 57.9211, 158.2522



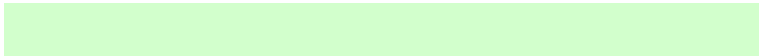
96.9767, 57.9211, 52.2939

Sweetspot

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



33.5649, 57.9235, 16.6199



73.1854, 89.5545, 70.5552



56.0083, 62.7880, 16.3759



15.1059, 18.9011, 14.1369



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.



33.5649, 57.9235, 16.6199



39.4380, 73.3404, 15.5124



34.9942, 58.3131, 32.3776



14.3412, 16.1675, 15.2692



16.3159, 32.1927, 5.3539



1.2566, 2.4052, 0.3980

Inverse Universe

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



43.1713, 24.6987, 75.1681



52.6342, 26.9761, 97.0405



41.6497, 24.6790, 40.5429



14.8247, 14.5274, 18.1671



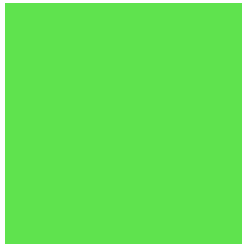
22.2142, 10.5178, 43.2425



1.6878, 0.8011, 3.1976

Previews

White Background



This preview shows how the XYZ color 33.5635, 57.9211, 16.6186 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 33.5635, 57.9211, 16.6186 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

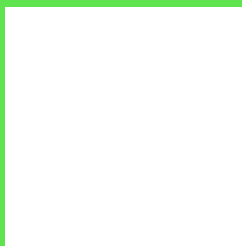
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.5635, 57.9211, 16.6186

Background



This preview shows how black text looks on a background with the XYZ color 33.5635, 57.9211, 16.6186.

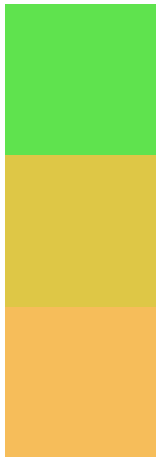


This preview shows how white text looks on a background with the XYZ color 33.5635, 57.9211, 16.6186.

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

33.5635, 57.9211, 16.6186

Protanopia

51.6531, 56.8186, 14.0390

Deuteranopia

58.0491, 56.7262, 17.5626



Tritanopia

46.5884, 57.3333, 82.7397

Trichromacy



Original Color

33.5635, 57.9211, 16.6186



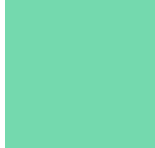
Protanomaly

41.9076, 55.3121, 14.7709



Deuteranomaly

44.5215, 54.4601, 16.9694



Tritanomaly

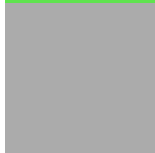
39.6553, 56.3947, 48.8396

Monochromacy



Original Color

33.5635, 57.9211, 16.6186



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

34.4739, 44.9074, 30.5179

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5635, 57.9211, 16.6186 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(95, 227, 78)` looks like.

```
.text, #text, p{  
    color:rgb(95, 227, 78)  
}
```

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(95, 227, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 227, 78) }
```

Border

The CSS property to change the border of an element to XYZ 33.5635, 57.9211, 16.6186 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(95, 227, 78) }
```


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

```
.border{ border-color:rgb(95, 227, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 227, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 227, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 227, 78);  
box-shadow:4px 4px 4px 4px rgb(95, 227,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5635, 57.9211, 16.6186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 227, 78) }
```

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

```
.background{ background-color: rgb(95, 227,  
78) }
```

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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