

Converting Colors

XYZ(33.7912, 61.8010, 16.8044)

Have a look what the booklet for
XYZ(33.7912, 61.8010, 16.8044)
contains.

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Color

**XYZ(33.7912, 61.8010,
16.8044)**

Conversions

Conversions Part 1

Format	Color
Hex	46EC4B
RGB	70, 236, 75
RGB Percent	27%, 93%, 29%
CMY	0.7255, 0.0745, 0.7059
CMYK	0.70, 0.00, 0.68, 0.07
HSL	122°, 81%, 60%
HSV	122°, 70%, 93%
XYZ	33.7912, 61.8010, 16.8044
YIQ	168.0120, -47.2550, -85.2630

Conversions

Conversions Part 2

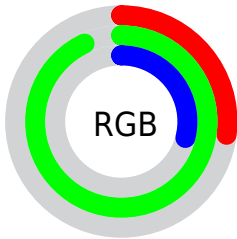
Format	Color
RYB	70, 231, 236
Decimal	4648011
CIELab	82.81, -71.69, 63.08
CIELCh	83, 95.487, 138.655
Yxy	61.8010, 0.3006, 0.5498
Android (android.graphics.Color)	4282838091 (0xFF46EC4B)
YUV	168.0120, -45.8549, -85.9565
Hunter-Lab	78.6136, -60.8476, 42.3557

Details

The XYZ color **33.7912, 61.8010, 16.8044** is a dark color, and the websafe version is hex **66FF66**. The color can be described as dark muted green. A complement of this color would be **51.2073, 27.9834, 78.3029**, and the grayscale version is **37.4614, 39.4123, 42.9200**.

A 20% lighter version of the original color is **50.5042, 78.6477, 33.9914**, and **16.1201, 32.2402, 5.3734** is the 20% darker color. If you saturate the color by 10%, you get **31.7640, 60.8326, 13.3303**, and if you desaturate by 10%, it is **36.7715, 63.2319, 21.7960**.

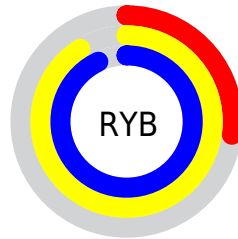
Distribution



Red (27%)

Green (93%)

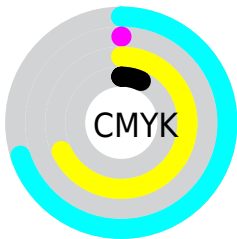
Blue (29%)



Red (27%)

Yellow (91%)

Blue (93%)

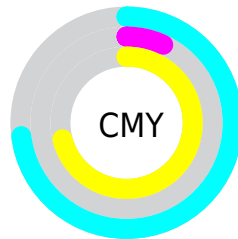


Cyan (70%)

Magenta (0%)

Yellow (68%)

Black (7%)



Cyan (73%)

Magenta (7%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7912, 61.8010, 16.8044 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 33.7912, 61.8010, 16.8044 by changing the saturation by 10% instead.

33.7912, 61.8010,
16.8044

33.7912, 61.8010,
16.8044

310.8023,
431.2048, 246.0483

22.8954, 44.8719,
9.9346

64.9553, 107.4379,
38.7752

14.6365, 31.3566,
5.2506

85.9542, 136.9144,
54.7133

8.6493, 20.8705,
2.3337

111.0516,
171.3423, 74.5113

4.5684, 13.0294,
0.7500

140.6128,
211.1059, 98.5877

2.0285, 7.4488,
0.0000

175.0031,
256.5895, 127.3611

0.6499, 3.7443,
0.0000

214.5879,

0.0000, 1.5316,

308.1776, 161.2500

0.0000

259.7325,
366.2546, 200.6729

■ 0.0000, 0.3108,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.7912, 61.8010,
16.8044

■ 33.7912, 61.8010,
16.8044

■ 31.7640, 60.8326,
13.3303

■ 36.7715, 63.2319,
21.7960


■ 30.5701, 60.2630,
11.1979


■ 40.7977, 65.1644,
28.4472


■ 30.0357, 60.0090,
10.2042


■ 45.9564, 67.6423,
36.8883

■ 52.3241, 70.7025,
47.2358

 59.9704, 74.3787,
59.5961

 68.9600, 78.7020,
74.0678

 79.3530, 83.7014,
90.7431

 89.2867, 88.4734,
106.9789

Harmonies

Analogous

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



46.9870, 61.8010, 6.9391



33.7912, 61.8010, 16.8044



27.8942, 61.8010, 47.3960

Triad

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



33.7912, 61.8010, 16.8044



51.3056, 61.8010, 250.3673



104.6882, 61.8010, 37.1987

Complementary

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



33.7912, 61.8010, 16.8044



51.2073, 27.9834, 78.3029

Split Complementary

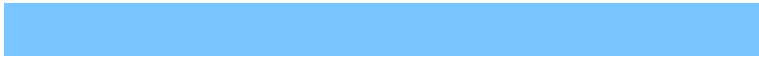
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



106.6163, 61.8010, 92.0942



33.7912, 61.8010, 16.8044



72.3056, 61.8010, 241.5087

Square

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



33.7912, 61.8010, 16.8044



36.3152, 61.8010, 192.9981



93.6739, 61.8010, 173.1299



88.8958, 61.8010, 13.0751

Rectangle

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



33.7912, 61.8010, 16.8044



27.6986, 61.8010, 85.7946



93.6739, 61.8010, 173.1299



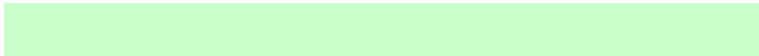
107.0963, 61.8010, 51.6593

Sweetspot

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



33.7927, 61.8036, 16.8058



70.7558, 88.3148, 69.8576



64.7841, 77.7993, 17.3966



14.5770, 18.6301, 14.0360



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.



33.7927, 61.8036, 16.8058



37.1848, 72.1946, 14.6919



38.5037, 63.6880, 41.6136



14.8867, 16.8695, 16.0864



16.5640, 33.0800, 5.6688



1.3072, 2.6002, 0.4794

Inverse Universe

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



51.2073, 27.9834, 78.3029



59.0535, 29.6430, 91.8572



42.3077, 24.4235, 31.4380



15.6941, 15.3055, 18.9402



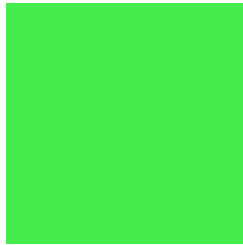
26.8638, 12.9482, 41.9458



2.1157, 1.0192, 3.3264

Previews

White Background



This preview shows how the XYZ color 33.7912, 61.8010, 16.8044 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 33.7912, 61.8010, 16.8044 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 33.7912, 61.8010, 16.8044

Background



This preview shows how black text looks on a background with the XYZ color 33.7912, 61.8010, 16.8044.

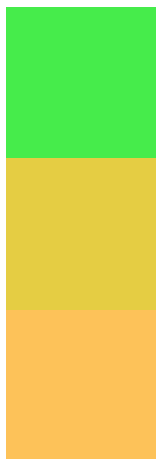


This preview shows how white text looks on a background with the XYZ color 33.7912, 61.8010,

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

33.7912, 61.8010, 16.8044

Protanopia

55.1575, 60.7259, 14.1243

Deuteranopia

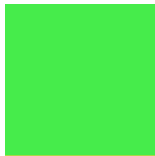
61.6030, 60.1875, 17.8217



Tritanopia

48.3593, 61.5308, 90.2167

Trichromacy



Original Color

33.7912, 61.8010, 16.8044



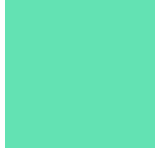
Protanomaly

42.4559, 58.2119, 14.7927



Deuteranomaly

44.6504, 56.6801, 16.9745



Tritanomaly

40.4786, 60.3000, 52.1535

Monochromacy



Original Color

33.7912, 61.8010, 16.8044



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

32.8888, 44.7667, 29.4617

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7912, 61.8010, 16.8044 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(70, 236, 75)` looks like.

```
.text, #text, p{  
    color:rgb(70, 236, 75)  
}
```

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(70, 236, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 236, 75) }
```

Border

The CSS property to change the border of an element to XYZ 33.7912, 61.8010, 16.8044 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(70, 236, 75) }
```


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

```
.border{ border-color:rgb(70, 236, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 236, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 236, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 236, 75);  
box-shadow:4px 4px 4px 4px rgb(70, 236,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7912, 61.8010, 16.8044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 236, 75) }
```

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

```
.background{ background-color: rgb(70, 236,  
75) }
```

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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