

Converting Colors

XYZ(33.4553, 58.4503, 10.8506)

Have a look what the booklet for
XYZ(33.4553, 58.4503, 10.8506)
contains.

XYZ(33.4836, 58.4159, 10.8771)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.4836, 58.4159,
10.8771)**

Conversions

Conversions Part 1

Format	Color
Hex	66E420
RGB	102, 228, 32
RGB Percent	40%, 89%, 13%
CMY	0.6000, 0.1059, 0.8745
CMYK	0.55, 0.00, 0.86, 0.11
HSL	99°, 78%, 51%
HSV	99°, 86%, 89%
XYZ	33.4836, 58.4159, 10.8771
YIQ	167.9820, -12.1800, -87.6680

Conversions

Conversions Part 2

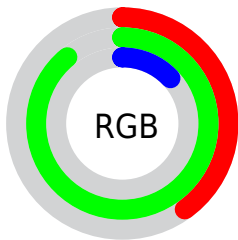
Format	Color
R_{YB}	32, 228, 158
Decimal	6743072
CIE _{Lab}	80.97, -64.84, 74.39
CIE _{LCh}	81, 98.682, 131.077
Yxy	58.4159, 0.3258, 0.5684
Android (android.graphics.Color)	4284933152 (0xFF66E420)
YUV	167.9820, -67.0391, -57.8662
Hunter-Lab	76.4303, -55.5534, 45.0634

Details

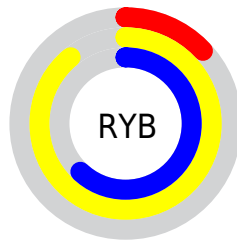
The XYZ color **33.4836, 58.4159, 10.8771** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **28.6249, 13.9062, 74.5775**, and the grayscale version is **37.5357, 39.4905, 43.0051**.

A 20% lighter version of the original color is **53.2744, 80.2944, 24.2458**, and **14.8124, 29.2544, 4.8660** is the 20% darker color. If you saturate the color by 10%, you get **31.7575, 57.5522, 9.6994**, and if you desaturate by 10%, it is **35.7200, 59.5216, 13.1971**.

Distribution



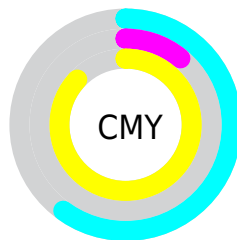
- Red (40%)
- Green (89%)
- Blue (13%)



- Red (13%)
- Yellow (89%)
- Blue (62%)



- Cyan (55%)
- Magenta (0%)
- Yellow (86%)
- Black (11%)





- Cyan (60%)
- Magenta (11%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4836, 58.4159, 10.8771 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 33.4836, 58.4159, 10.8771 by changing the saturation by 10% instead.


 33.4836, 58.4159,
10.8771


 33.4836, 58.4159,
10.8771


309.4499,
418.7339, 207.5295


 22.6582, 42.1431,
5.8711


 64.4795, 102.5283,
28.0658

 14.4606, 29.2134,
2.6994


 85.3806, 131.1366,
41.0857


 8.5256, 19.2423,
0.9431


 110.3710,
164.6256, 57.6139

 4.4877, 11.8455,
0.0000

 139.8161,
203.3796, 78.0691

 1.9815, 6.6385,
0.0000

 174.0811,
247.7830, 102.8696

 0.6236, 3.2371,
0.0000

 213.5316,

 0.0000, 1.2567,

298.2203, 132.4342

0.0000

258.5327,
355.0758, 167.1813

■ 0.0000, 0.1073,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.4836, 58.4159,
10.8771

■ 33.4836, 58.4159,
10.8771

■ 31.7575, 57.5522,
9.6994


■ 35.7200, 59.5216,
13.1971


■ 31.1740, 57.2572,
9.4087


■ 38.5151, 60.8844,
16.8571


■ 41.9146, 62.5261,
22.0214


■ 45.9574, 64.4638,
28.8297

 50.6790, 66.7129,
37.4057

 56.1116, 69.2877,
47.8614

 62.2857, 72.2017,
60.2994

 69.2295, 75.4673,
74.8148

 76.9699, 79.0964,
91.4967

Harmonies

Analogous

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



48.3042, 58.4159, 4.7378



33.4836, 58.4159, 10.8771



26.0115, 58.4159, 33.6260

Triad

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



33.4836, 58.4159, 10.8771



43.7210, 58.4159, 240.7036



103.7488, 58.4159, 44.3266

Complementary

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



33.4836, 58.4159, 10.8771



28.6249, 13.9062, 74.5775

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.



101.6504, 58.4159, 107.5661



33.4836, 58.4159, 10.8771



63.4265, 58.4159, 250.5192

Square

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



33.4836, 58.4159, 10.8771



30.8407, 58.4159, 170.0223



85.5790, 58.4159, 191.8844



90.7566, 58.4159, 14.5913

Rectangle

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



33.4836, 58.4159, 10.8771



24.7545, 58.4159, 65.7463



85.5790, 58.4159, 191.8844



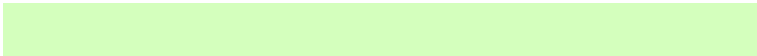
104.8537, 58.4159, 61.5106

Sweetspot

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



33.4850, 58.4184, 10.8784



72.1725, 89.2340, 61.3935



44.1693, 40.4232, 6.8418



14.9041, 18.8424, 12.0785



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.



33.4850, 58.4184, 10.8784



40.0802, 73.7471, 12.1222



29.1081, 56.1035, 13.3172



14.6726, 16.3383, 15.2847



18.1176, 33.1215, 5.4382



1.4373, 2.4983, 0.4065

Inverse Universe

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



28.6249, 13.9062, 74.5775



33.3477, 15.1063, 95.7659



43.1587, 21.7866, 57.7283



14.4697, 14.3443, 18.1504



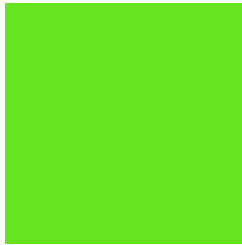
15.1248, 6.8630, 42.9107



1.2180, 0.5589, 3.1756

Previews

White Background



This preview shows how the XYZ color 33.4836, 58.4159, 10.8771 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 33.4836, 58.4159, 10.8771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

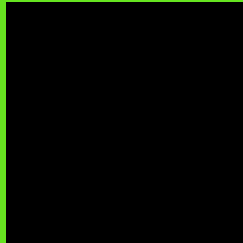
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.4836, 58.4159, 10.8771

Background



This preview shows how black text looks on a background with the XYZ color 33.4836, 58.4159, 10.8771.



This preview shows how white text looks on a background with the XYZ color 33.4836, 58.4159,

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

33.4836, 58.4159, 10.8771

Protanopia

51.8603, 57.3780, 9.1523

Deuteranopia

58.3357, 57.0047, 11.6698



Tritanopia

47.6780, 57.8950, 82.7907

Trichromacy



Original Color

33.4836, 58.4159, 10.8771



Protanomaly

42.0554, 55.8711, 9.5449



Deuteranomaly

44.6340, 54.6529, 10.8859



Tritanomaly

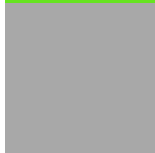
39.3256, 56.7881, 40.7868

Monochromacy



Original Color

33.4836, 58.4159, 10.8771



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

33.2448, 44.0881, 24.2104

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4836, 58.4159, 10.8771 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(102, 228, 32)` looks like.

```
.text, #text, p{  
    color:rgb(102, 228, 32)  
}
```

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(102, 228, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 228, 32) }
```

Border

The CSS property to change the border of an element to XYZ 33.4836, 58.4159, 10.8771 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(102, 228, 32) }
```


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

```
.border{ border-color:rgb(102, 228, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 228, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 228, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 228, 32);  
box-shadow:4px 4px 4px 4px rgb(102, 228,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4836, 58.4159, 10.8771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 228, 32) }
```

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

```
.background{ background-color: rgb(102,  
228, 32) }
```

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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