

Converting Colors

XYZ(33.2615, 63.8022, 10.9799)

Have a look what the booklet for
XYZ(33.2615, 63.8022, 10.9799)
contains.

XYZ(33.2795, 63.8418, 10.9842)	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(33.2795, 63.8418,
10.9842)**

Conversions

Conversions Part 1

Format	Color
Hex	3AF10E
RGB	58, 241, 14
RGB Percent	23%, 95%, 5%
CMY	0.7725, 0.0549, 0.9450
CMYK	0.76, 0.00, 0.94, 0.05
HSL	108°, 89%, 50%
HSV	108°, 94%, 95%
XYZ	33.2795, 63.8418, 10.9842
YIQ	160.4050, -36.2010, -109.3930

Conversions

Conversions Part 2

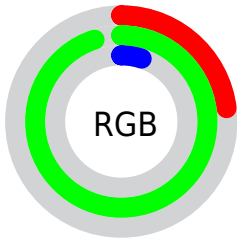
Format	Color
RYB	14, 241, 197
Decimal	3862798
CIELab	83.88, -78.12, 79.11
CIELCh	84, 111.180, 134.640
Yxy	63.8418, 0.3078, 0.5906
Android (android.graphics.Color)	4282052878 (0xFF3AF10E)
YUV	160.4050, -72.1777, -89.8092
Hunter-Lab	79.9011, -65.4800, 47.7800

Details

The XYZ color **33.2795, 63.8418, 10.9842** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **39.0698, 18.5408, 84.7420**, and the grayscale version is **33.9390, 35.7065, 38.8843**.

A 20% lighter version of the original color is **47.7275, 77.4612, 22.7919**, and **16.9335, 33.8670, 5.6445** is the 20% darker color. If you saturate the color by 10%, you get **32.6146, 63.5101, 10.5397**, and if you desaturate by 10%, it is **34.9041, 64.6497, 12.4837**.

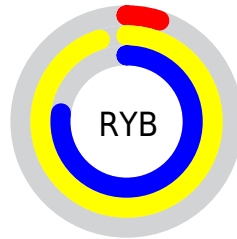
Distribution



Red (23%)

Green (95%)

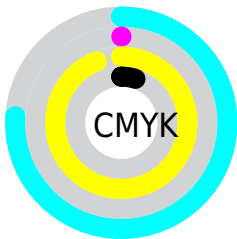
Blue (5%)



Red (5%)

Yellow (95%)

Blue (77%)

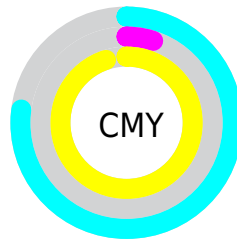


Cyan (76%)

Magenta (0%)

Yellow (94%)

Black (5%)



Cyan (77%)


Magenta (5%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2795, 63.8418, 10.9842 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 33.2795, 63.8418, 10.9842 by changing the saturation by 10% instead.


 33.2795, 63.8418,
10.9842


 33.2795, 63.8418,
10.9842


308.5501,
438.6181, 208.2927


 22.5009, 46.5226,
5.9422


 64.1634, 110.3831,
28.2672


 14.3441, 32.6584,
2.7417


 84.9994, 140.3739,
41.3452


 8.4437, 21.8649,
0.9643


 109.9187,
175.3573, 57.9389

 4.4343, 13.7576,
0.0000

 139.2864,
215.7178, 78.4669

 1.9507, 7.9523,
0.0000

 173.4681,
261.8398, 103.3478

 0.6060, 4.0644,
0.0000

 212.8290,

 0.0000, 1.7097,

314.1075, 133.0000

0.0000

257.7346,
372.9055, 167.8421

■ 0.0000, 0.4299,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.2795, 63.8418,
10.9842

■ 33.2795, 63.8418,
10.9842


■ 32.6146, 63.5101,
10.5397


■ 34.9041, 64.6497,
12.4837


■ 37.2476, 65.7974,
15.3276


■ 40.3914, 67.3236,
19.7400


■ 44.4035, 69.2597,
25.9033

 49.3447, 71.6334,
33.9749

 55.2699, 74.4701,
44.0947

 62.2295, 77.7930,
56.3894

 70.2706, 81.6238,
70.9755

 79.4373, 85.9830,
87.9613

Harmonies

Analogous

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



49.5570, 63.8418, 3.6763



33.2795, 63.8418, 10.9842



25.7002, 63.8418, 39.6015

Triad

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



33.2795, 63.8418, 10.9842



49.0598, 63.8418, 296.9273



118.4741, 63.8418, 40.7359

Complementary

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



33.2795, 63.8418, 10.9842



39.0698, 18.5408, 84.7420

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.



118.2352, 63.8418, 111.6215



33.2795, 63.8418, 10.9842



73.3534, 63.8418, 298.0823

Square

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



33.2795, 63.8418, 10.9842



33.0002, 63.8418, 213.5137



100.0671, 63.8418, 216.0531



100.6516, 63.8418, 11.3378

Rectangle

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



33.2795, 63.8418, 10.9842



24.8496, 63.8418, 80.9821



100.0671, 63.8418, 216.0531



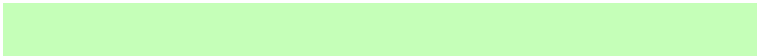
120.6305, 63.8418, 59.1812

Sweetspot

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



33.2810, 63.8445, 10.9856



67.5091, 86.8927, 58.3417



56.0085, 58.0371, 8.6668



13.7288, 18.2543, 11.2182



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.



33.2810, 63.8445, 10.9856



37.0460, 72.1830, 11.9802



33.1657, 63.6178, 18.5384



15.8517, 17.8037, 16.7507



17.7701, 34.4824, 5.7192



1.5553, 2.9083, 0.4794

Inverse Universe

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



39.0698, 18.5408, 84.7420



43.3925, 20.2846, 96.2360



43.9688, 22.0301, 41.4252



16.1367, 15.8677, 19.9339



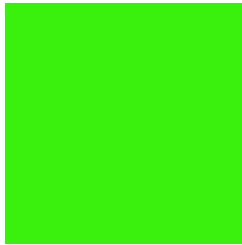
20.8283, 9.7428, 45.9106



1.8087, 0.8497, 3.8229

Previews

White Background



This preview shows how the XYZ color 33.2795, 63.8418, 10.9842 looks on a white background.

Color Contrast Check

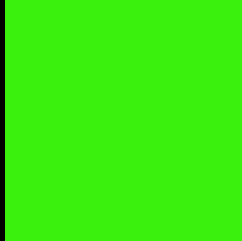
Large Text (above 18pt) WCAG AA × Fail

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 33.2795, 63.8418, 10.9842 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 33.2795, 63.8418, 10.9842

Background



This preview shows how black text looks on a background with the XYZ color 33.2795, 63.8418, 10.9842.



This preview shows how white text looks on a background with the XYZ color 33.2795, 63.8418,

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

33.2795, 63.8418, 10.9842

Protanopia

56.4876, 62.6042, 9.1066

Deuteranopia

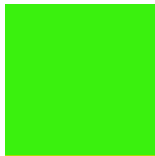
63.2373, 62.3694, 18.1567



Tritanopia

49.6221, 63.2995, 93.6071

Trichromacy



Original Color

33.2795, 63.8418, 10.9842



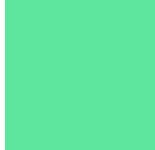
Protanomaly

42.1982, 59.7434, 9.4511



Deuteranomaly

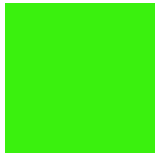
44.4445, 58.5082, 13.5082



Tritanomaly

39.1709, 61.4765, 42.6025

Monochromacy



Original Color

33.2795, 63.8418, 10.9842



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

29.0198, 41.6677, 20.4231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2795, 63.8418, 10.9842 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(58, 241, 14)` looks like.

```
.text, #text, p{  
    color:rgb(58, 241, 14)  
}
```

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(58, 241, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 241, 14) }
```

Border

The CSS property to change the border of an element to XYZ 33.2795, 63.8418, 10.9842 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(58, 241, 14) }
```


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

```
.border{ border-color:rgb(58, 241, 14) }
```

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

Here you see how a box with a 4 pixel rgb(58, 241, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 241, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 241, 14);  
box-shadow:4px 4px 4px 4px rgb(58, 241,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2795, 63.8418, 10.9842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 241, 14) }
```

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

```
.background{ background-color: rgb(58, 241,  
14) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor