

Converting Colors

XYZ(35.0019, 59.8420, 9.7018)

Have a look what the booklet for
XYZ(35.0019, 59.8420, 9.7018)
contains.

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Color

**XYZ(34.8294, 59.5493,
9.6585)**

Conversions

Conversions Part 1

Format	Color
Hex	71E500
RGB	113, 229, 0
RGB Percent	44%, 90%, 0%
CMY	0.5569, 0.1019, 0.9999
CMYK	0.51, 0.00, 1.00, 0.10
HSL	90°, 100%, 45%
HSV	90°, 100%, 90%
XYZ	34.8294, 59.5493, 9.6585
YIQ	168.2100, 4.3730, -95.8110

Conversions

Conversions Part 2

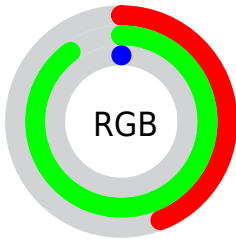
Format	Color
RYB	0, 229, 116
Decimal	7464192
CIELab	81.59, -62.86, 79.07
CIELCh	82, 101.009, 128.485
Yxy	59.5493, 0.3348, 0.5724
Android (android.graphics.Color)	4285654272 (0xFF71E500)
YUV	168.2100, -82.9275, -48.4192
Hunter-Lab	77.1682, -54.4794, 46.5969

Details

The XYZ color **34.8294, 59.5493, 9.6585** is a dark color, and the websafe version is hex **99FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **21.3511, 9.3736, 74.8159**, and the grayscale version is **37.7196, 39.6839, 43.2158**.

A 20% lighter version of the original color is **55.2006, 81.3385, 22.0231**, and **15.6670, 29.9765, 4.9603** is the 20% darker color. If you saturate the color by 10%, you get **34.8285, 59.5507, 9.6588**, and if you desaturate by 10%, it is **36.5740, 60.4327, 10.5441**.

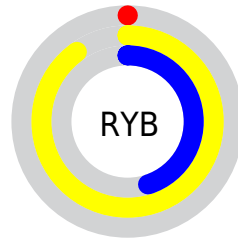
Distribution



Red (44%)

Green (90%)

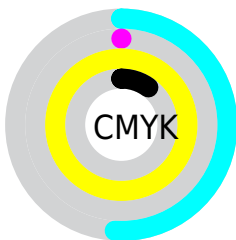
Blue (0%)



Red (0%)

Yellow (90%)

Blue (45%)

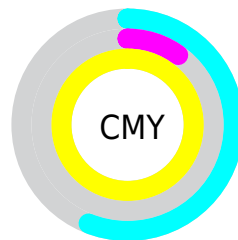


Cyan (51%)

Magenta (0%)

Yellow (100%)

Black (10%)



Cyan (56%)


Magenta (10%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.8294, 59.5493, 9.6585 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 34.8294, 59.5493, 9.6585 by changing the saturation by 10% instead.


 34.8294, 59.5493,
9.6585


 34.8294, 59.5493,
9.6585


315.3359,
422.9345, 198.6125


 23.6974, 43.0555,
5.0705


 66.5572, 104.1756,
25.7489

 15.2328, 29.9286,
2.2292


 87.8836, 133.0768,
38.0883


 9.0703, 19.7844,
0.6912


 113.3389,
166.8827, 53.8486

 4.8446, 12.2384,
0.0000

 143.2885,
205.9775, 73.4484

 2.1902, 6.9063,
0.0000

 178.0976,
250.7457, 97.3061

 0.7375, 3.4036,
0.0000

 218.1316,

 0.0000, 1.3459,

301.5717, 125.8403

0.0000

263.7559,
358.8398, 159.4696

■ 0.0000, 0.1763,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.8294, 59.5493,
9.6585

■ 34.8294, 59.5493,
9.6585

■ 34.8285, 59.5507,
9.6588

■ 36.5740, 60.4327,
10.5441

■ 38.6969, 61.4884,
12.3964

■ 41.2642, 62.7453,
15.5231

■ 44.3155, 64.2201,
20.1016

■ 47.8852, 65.9273,
26.2809

■ 52.0035, 67.8795,
34.1919

■ 56.6983, 70.0886,
43.9518

■ 61.9950, 72.5654,
55.6675

■ 67.9175, 75.3199,
69.4378

Harmonies

Analogous

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



50.7945, 59.5493, 4.3478



34.8294, 59.5493, 9.6585



26.5109, 59.5493, 30.7507

Triad

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



34.8294, 59.5493, 9.6585



42.9249, 59.5493, 245.4346



107.2614, 59.5493, 49.0908

Complementary

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



34.8294, 59.5493, 9.6585



21.3511, 9.3736, 74.8159

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.



103.6358, 59.5493, 117.7838



34.8294, 59.5493, 9.6585



62.8314, 59.5493, 262.4720

Square

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



34.8294, 59.5493, 9.6585



30.3073, 59.5493, 168.0323



85.9532, 59.5493, 205.9208



94.8900, 59.5493, 15.9385

Rectangle

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



34.8294, 59.5493, 9.6585



24.8423, 59.5493, 61.8005



85.9532, 59.5493, 205.9208



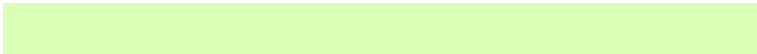
107.9243, 59.5493, 67.9757

Sweetspot

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



34.8308, 59.5519, 9.6598



72.2369, 89.3904, 55.8300



38.3906, 28.8107, 3.5385



14.8994, 18.8691, 10.7599



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.



34.8308, 59.5519, 9.6598



44.3361, 75.9411, 12.3214



28.0211, 56.0413, 9.3411



14.8631, 16.4365, 15.2936



20.0509, 34.1181, 5.5287



1.5887, 2.5764, 0.4136

Inverse Universe

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



21.3511, 9.3736, 74.8159



27.1323, 11.9021, 95.4750



46.4583, 22.3168, 75.9909



14.2754, 14.2442, 18.1413



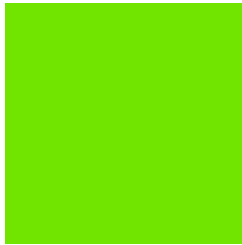
12.3449, 5.4299, 42.7806



1.0194, 0.4565, 3.1664

Previews

White Background



This preview shows how the XYZ color 34.8294, 59.5493, 9.6585 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 34.8294, 59.5493, 9.6585 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 34.8294, 59.5493, 9.6585

Background



This preview shows how black text looks on a background with the XYZ color 34.8294, 59.5493, 9.6585.



This preview shows how white text looks on a background with the XYZ color 34.8294, 59.5493,

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

34.8294, 59.5493, 9.6585

Protanopia

52.7991, 58.5720, 8.5227

Deuteranopia

59.6519, 58.3495, 10.8079



Tritanopia

49.5788, 59.2310, 83.6826

Trichromacy



Original Color

34.8294, 59.5493, 9.6585



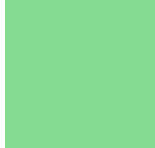
Protanomaly

43.7932, 57.5261, 8.7955



Deuteranomaly

46.4228, 56.3129, 9.6510



Tritanomaly

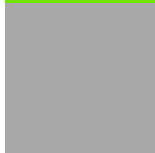
40.1927, 57.7249, 36.2178

Monochromacy



Original Color

34.8294, 59.5493, 9.6585



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

33.2800, 44.1843, 20.6843

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8294, 59.5493, 9.6585 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(113, 229, 0)` looks like.

```
.text, #text, p{  
    color:rgb(113, 229, 0)  
}
```

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(113, 229, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 229, 0) }
```

Border

The CSS property to change the border of an element to XYZ 34.8294, 59.5493, 9.6585 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(113, 229, 0) }
```


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

```
.border{ border-color:rgb(113, 229, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 229, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 229, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 229, 0);  
box-shadow:4px 4px 4px 4px rgb(113, 229,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8294, 59.5493, 9.6585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 229, 0) }
```

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

```
.background{ background-color: rgb(113,  
229, 0) }
```

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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