

Converting Colors

XYZ(35.2130, 58.9100, 9.5149)

Have a look what the booklet for
XYZ(35.2130, 58.9100, 9.5149)
contains.

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Color

**XYZ(35.2148, 58.9312,
9.5189)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 78E300 |
| RGB | 120, 227, 0 |
| RGB Percent | 47%, 89%, 0% |
| CMY | 0.5294, 0.1098, 0.9999 |
| CMYK | 0.47, 0.00, 1.00, 0.11 |
| HSL | 88°, 100%, 45% |
| HSV | 88°, 100%, 89% |
| XYZ | 35.2148, 58.9312, 9.5189 |
| YIQ | 169.1290, 9.0950, -93.2810 |

Conversions

Conversions Part 2

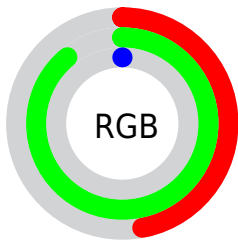
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 227, 107 |
| Decimal | 7922432 |
| CIELab | 81.25, -60.08, 78.91 |
| CIELCh | 81, 99.184, 127.285 |
| Yxy | 58.9312, 0.3397, 0.5685 |
| Android (android.graphics.Color) | 4286112512 (0xFF78E300) |
| YUV | 169.1290, -83.3806, -43.0861 |
| Hunter-Lab | 76.7667, -52.4592, 46.3848 |

Details

The XYZ color **35.2148, 58.9312, 9.5189** 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 **19.9340, 8.6751, 73.3001**, and the grayscale version is **38.1761, 40.1643, 43.7389**.

A 20% lighter version of the original color is **56.5364, 82.0319, 21.8708**, and **16.0311, 29.8827, 4.9230** is the 20% darker color. If you saturate the color by 10%, you get **35.2139, 58.9326, 9.5192**, and if you desaturate by 10%, it is **36.9362, 59.8029, 10.3930**.

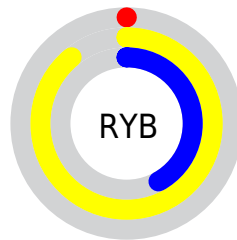
Distribution



Red (47%)

Green (89%)

Blue (0%)



Red (0%)

Yellow (89%)

Blue (42%)

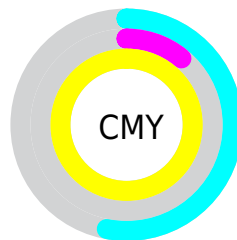


Cyan (47%)

Magenta (0%)

Yellow (100%)

Black (11%)



Cyan (53%)


Magenta (11%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.2148, 58.9312, 9.5189 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 35.2148, 58.9312, 9.5189 by changing the saturation by 10% instead.


 35.2148, 58.9312,
9.5189


 35.2148, 58.9312,
9.5189


317.0069,
420.6469, 197.5615


 23.9957, 42.5577,
4.9798


 67.1502, 103.2777,
25.4801


 15.4551, 29.5383,
2.1769


 88.5972, 132.0195,
37.7392

 9.2278, 19.4884,
0.6610


 114.1843,
165.6528, 53.4088

 4.9484, 12.0237,
0.0000

 144.2766,
204.5621, 72.9072

 2.2514, 6.7598,
0.0000

 179.2397,
249.1318, 96.6532

 0.7696, 3.3124,
0.0000

 219.4389,

 0.0000, 1.2969,

299.7462, 125.0652

0.0000

265.2395,
356.7898, 158.5618

■ 0.0000, 0.1388,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.2148, 58.9312,
9.5189

■ 35.2148, 58.9312,
9.5189

■ 35.2139, 58.9326,
9.5192

■ 36.9362, 59.8029,
10.3930

■ 39.0056, 60.8316,
12.2124

■ 41.4865, 62.0452,
15.2796

■ 44.4164, 63.4593,
19.7679

■ 47.8276, 65.0874,
25.8233

■ 51.7489, 66.9414,
33.5737

■ 56.2061, 69.0322,
43.1336

■ 61.2232, 71.3699,
54.6078

■ 66.8226, 73.9638,
68.0929

Harmonies

Analogous

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



51.1208, 58.9312, 4.5288



35.2148, 58.9312, 9.5189



26.7598, 58.9312, 29.4752

Triad

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



35.2148, 58.9312, 9.5189



42.0195, 58.9312, 236.9318



105.4297, 58.9312, 50.7839

Complementary

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



35.2148, 58.9312, 9.5189



19.9340, 8.6751, 73.3001

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.



101.2735, 58.9312, 118.9434



35.2148, 58.9312, 9.5189



61.2064, 58.9312, 256.3428

Square

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



35.2148, 58.9312, 9.5189



29.9604, 58.9312, 160.8108



83.7140, 58.9312, 204.0866



93.9742, 58.9312, 16.9533

Rectangle

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



35.2148, 58.9312, 9.5189



24.9451, 58.9312, 58.9215



83.7140, 58.9312, 204.0866



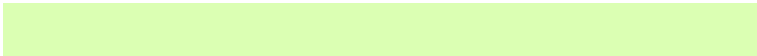
105.8514, 58.9312, 69.7129

Sweetspot

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



35.2162, 58.9337, 9.5202



73.0399, 89.8044, 55.8675



36.8293, 26.6300, 3.1999



15.0892, 18.9670, 10.7688



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.



35.2162, 58.9337, 9.5202



45.7166, 76.6528, 12.3860



27.5656, 54.9897, 9.1622



14.9129, 16.4622, 15.2960



20.6718, 34.4382, 5.5577



1.6347, 2.6001, 0.4157

Inverse Universe

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



19.9340, 8.6751, 73.3001



25.8261, 11.2287, 95.4139



43.2117, 20.6752, 74.3895



14.2258, 14.2186, 18.1390



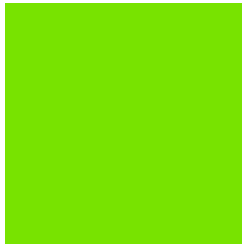
11.7561, 5.1264, 42.7530



0.9753, 0.4337, 3.1643

Previews

White Background



This preview shows how the XYZ color 35.2148, 58.9312, 9.5189 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 35.2148, 58.9312, 9.5189 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 35.2148, 58.9312, 9.5189

Background



This preview shows how black text looks on a background with the XYZ color 35.2148, 58.9312, 9.5189.



This preview shows how white text looks on a background with the XYZ color 35.2148, 58.9312,

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

35.2148, 58.9312, 9.5189

Protanopia

52.2507, 57.9420, 8.4300

Deuteranopia

59.0515, 57.7196, 10.6134



Tritanopia

49.6923, 58.5795, 82.0867

Trichromacy



Original Color

35.2148, 58.9312, 9.5189

Protanomaly

43.5401, 56.6580, 8.6413

Deuteranomaly

46.4795, 55.6379, 9.4519

Tritanomaly

40.4049, 57.0733, 35.6748

Monochromacy



Original Color

35.2148, 58.9312, 9.5189

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

33.8827, 44.4889, 20.9888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2148, 58.9312, 9.5189 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(120, 227, 0)` looks like.

```
.text, #text, p{  
    color:rgb(120, 227, 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(120, 227, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 227, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.2148, 58.9312, 9.5189 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(120, 227, 0) }
```


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

```
.border{ border-color:rgb(120, 227, 0) }
```

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

Here you see how a box with a 4 pixel rgb(120, 227, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 227, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 227, 0);  
box-shadow:4px 4px 4px 4px rgb(120, 227,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 35.2148, 58.9312, 9.5189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 227, 0) }
```

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

```
.background{ background-color: rgb(120,  
227, 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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