

Converting Colors

XYZ(33.0859, 59.9164, 9.8212)

Have a look what the booklet for
XYZ(33.0859, 59.9164, 9.8212)
contains.

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Color

**XYZ(33.0731, 59.8869,
9.8162)**

Conversions

Conversions Part 1

Format	Color
Hex	5AE800
RGB	90, 232, 0
RGB Percent	35%, 91%, 0%
CMY	0.6471, 0.0902, 0.9999
CMYK	0.61, 0.00, 1.00, 0.09
HSL	97°, 100%, 45%
HSV	97°, 100%, 91%
XYZ	33.0731, 59.8869, 9.8162
YIQ	163.0940, -10.1600, -102.2560

Conversions

Conversions Part 2

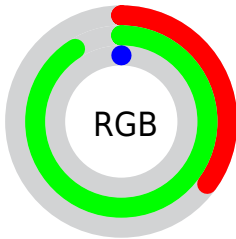
Format	Color
RYB	0, 232, 142
Decimal	5957632
CIELab	81.78, -69.77, 78.90
CIELCh	82, 105.325, 131.485
Yxy	59.8869, 0.3218, 0.5827
Android (android.graphics.Color)	4284147712 (0xFF5AE800)
YUV	163.0940, -80.4053, -64.1034
Hunter-Lab	77.3866, -59.1402, 46.6499

Details

The XYZ color **33.0731, 59.8869, 9.8162** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **25.7280, 11.5811, 77.2266**, and the grayscale version is **35.2320, 37.0668, 40.3657**.

A 20% lighter version of the original color is **51.0390, 79.1931, 21.8283**, and **15.3300, 30.6599, 5.1100** is the 20% darker color. If you saturate the color by 10%, you get **33.0724, 59.8884, 9.8165**, and if you desaturate by 10%, it is **34.7473, 60.7337, 10.7143**.

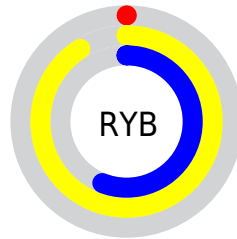
Distribution



Red (35%)

Green (91%)

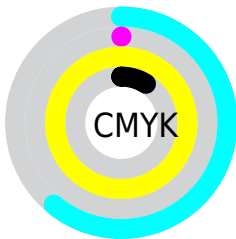
Blue (0%)



Red (0%)

Yellow (91%)

Blue (56%)

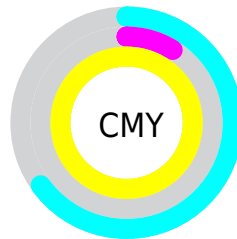


Cyan (61%)

Magenta (0%)

Yellow (100%)

Black (9%)



Cyan (65%)


Magenta (9%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.0731, 59.8869, 9.8162 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 33.0731, 59.8869, 9.8162 by changing the saturation by 10% instead.


 33.0731, 59.8869,
9.8162


 33.0731, 59.8869,
9.8162


307.6382,
424.1808, 199.7921

 22.3420, 43.3275,
5.1733


 63.8436, 104.6656,
26.0516

 14.2264, 30.1421,
2.2888


 84.6136, 133.6536,
38.4811

 8.3610, 19.9465,
0.7249


 109.4606,
167.5534, 54.3433

 4.3806, 12.3562,
0.0000

 138.7500,
206.7491, 74.0566

 1.9196, 6.9867,
0.0000

 172.8471,
251.6254, 98.0396

 0.5882, 3.4538,
0.0000

 212.1172,

 0.0000, 1.3730,

302.5665, 126.7108

0.0000

256.9258,
359.9568, 160.4888

■ 0.0000, 0.1967,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.0731, 59.8869,
9.8162

■ 33.0731, 59.8869,
9.8162

■ 33.0724, 59.8884,
9.8165

■ 34.7473, 60.7337,
10.7143

■ 36.8859, 61.7963,
12.6135

■ 39.5628, 63.1079,
15.8297

■ 42.8248, 64.6885,
20.5464

■ 46.7126, 66.5558,
26.9179

■ 51.2626, 68.7254,
35.0795

■ 56.5080, 71.2120,
45.1525

■ 62.4796, 74.0290,
57.2474

■ 69.2063, 77.1890,
71.4665

Harmonies

Analogous

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



48.8391, 59.8869, 3.8010



33.0731, 59.8869, 9.8162



25.2863, 59.8869, 33.5872

Triad

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



33.0731, 59.8869, 9.8162



44.4163, 59.8869, 263.3174



109.8195, 59.8869, 43.7727

Complementary

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



33.0731, 59.8869, 9.8162



25.7280, 11.5811, 77.2266

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.



107.7341, 59.8869, 112.2255



33.0731, 59.8869, 9.8162



65.8480, 59.8869, 273.2753

Square

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



33.0731, 59.8869, 9.8162



30.5632, 59.8869, 184.2975



90.1281, 59.8869, 206.3005



95.2482, 59.8869, 13.1303

Rectangle

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



33.0731, 59.8869, 9.8162



24.0301, 59.8869, 68.4264



90.1281, 59.8869, 206.3005



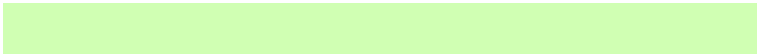
111.1268, 59.8869, 62.0895

Sweetspot

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



33.0745, 59.8894, 9.8175



69.9064, 88.1890, 55.7209



42.5442, 35.6843, 4.6464



14.3515, 18.5867, 10.7343



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.



33.0745, 59.8894, 9.8175



40.8946, 74.1670, 12.1603



29.0152, 57.7787, 10.4459



14.7153, 16.3603, 15.2867



18.4906, 33.3137, 5.4556



1.4679, 2.5141, 0.4079

Inverse Universe

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



25.7280, 11.5811, 77.2266



31.7798, 14.2980, 95.6925



44.7652, 21.7511, 62.0355



14.4255, 14.3216, 18.1484



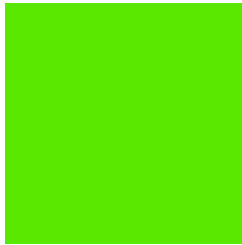
14.4262, 6.5029, 42.8780



1.1693, 0.5338, 3.1734

Previews

White Background



This preview shows how the XYZ color 33.0731, 59.8869, 9.8162 looks on a white background.

Color Contrast Check

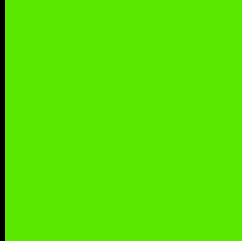
Large Text (above 18pt) WCAG AA × Fail

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 33.0731, 59.8869, 9.8162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

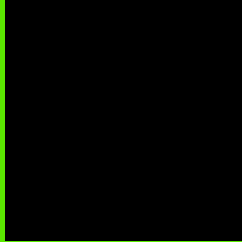
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.0731, 59.8869, 9.8162

Background



This preview shows how black text looks on a background with the XYZ color 33.0731, 59.8869, 9.8162.



This preview shows how white text looks on a background with the XYZ color 33.0731, 59.8869,

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

33.0731, 59.8869, 9.8162

Protanopia

52.7991, 58.5720, 8.5227

Deuteranopia

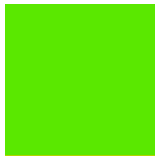
60.0582, 58.5542, 11.0424



Tritanopia

48.3171, 59.6621, 86.0601

Trichromacy



Original Color

33.0731, 59.8869, 9.8162



Protanomaly

41.9257, 56.9356, 8.7800



Deuteranomaly

44.5668, 55.7109, 9.7007



Tritanomaly

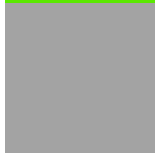
38.5368, 58.0255, 37.1859

Monochromacy



Original Color

33.0731, 59.8869, 9.8162



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

30.6353, 42.2002, 19.6275

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0731, 59.8869, 9.8162 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(90, 232, 0)` looks like.

```
.text, #text, p{  
    color:rgb(90, 232, 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(90, 232, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 232, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.0731, 59.8869, 9.8162 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(90, 232, 0) }
```


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

```
.border{ border-color:rgb(90, 232, 0) }
```

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

Here you see how a box with a 4 pixel rgb(90, 232, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 232, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 232, 0);  
box-shadow:4px 4px 4px 4px rgb(90, 232, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.0731, 59.8869, 9.8162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 232, 0) }
```

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

```
.background{ background-color: rgb(90, 232,  
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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