

Converting Colors

XYZ(29.6593, 59.2216, 9.8677)

Have a look what the booklet for
XYZ(29.6593, 59.2216, 9.8677)
contains.

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Color

**XYZ(29.7709, 59.4489,
9.9057)**

Conversions

Conversions Part 1

Format	Color
Hex	05EB00
RGB	5, 235, 0
RGB Percent	2%, 92%, 0%
CMY	0.9804, 0.0784, 0.9999
CMYK	0.98, 0.00, 1.00, 0.08
HSL	119°, 100%, 46%
HSV	119°, 100%, 92%
XYZ	29.7709, 59.4489, 9.9057
YIQ	139.4400, -61.6450, -121.8450

Conversions

Conversions Part 2

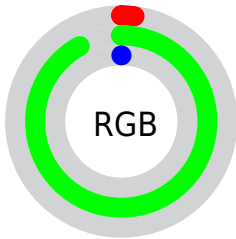
Format	Color
RYB	0, 235, 230
Decimal	387840
CIELab	81.54, -80.86, 78.22
CIELCh	82, 112.499, 135.951
Yxy	59.4489, 0.3003, 0.5997
Android (android.graphics.Color)	4278577920 (0xFF05EB00)
YUV	139.4400, -68.7439, -117.9039
Hunter-Lab	77.1031, -66.0084, 46.3550

Details

The XYZ color **29.7709, 59.4489, 9.9057** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **47.6414, 22.8283, 80.4957**, and the grayscale version is **24.9875, 26.2888, 28.6285**.

A 20% lighter version of the original color is **44.5917, 75.8694, 21.5266**, and **15.7221, 31.4443, 5.2407** is the 20% darker color. If you saturate the color by 10%, you get **29.7717, 59.4511, 9.9061**, and if you desaturate by 10%, it is **30.3485, 59.7300, 10.7684**.

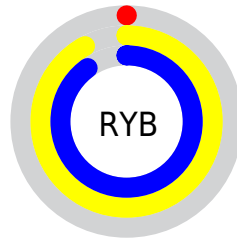
Distribution



Red (2%)

Green (92%)

Blue (0%)



Red (0%)

Yellow (92%)

Blue (90%)

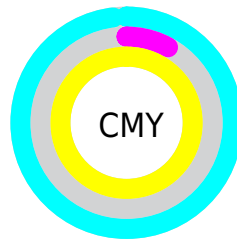


Cyan (98%)

Magenta (0%)

Yellow (100%)

Black (8%)



Cyan (98%)


Magenta (8%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.7709, 59.4489, 9.9057 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 29.7709, 59.4489, 9.9057 by changing the saturation by 10% instead.


 29.7709, 59.4489,
9.9057


 29.7709, 59.4489,
9.9057


292.7641,
422.5634, 200.4580

 19.8120, 42.9746,
5.2317


 58.6888, 104.0298,
26.2230

 12.3659, 29.8652,
2.3227


 78.3785, 132.9052,
38.7034

 7.0674, 19.7363,
0.7439


 102.0424,
166.6831, 54.6230

 3.5510, 12.2035,
0.0000

 130.0461,
205.7478, 74.4003

 1.4514, 6.8824,
0.0000

 162.7547,
250.4838, 98.4540

 0.2924, 3.3887,
0.0000

 200.5337,

 0.0000, 1.3379,

301.2755, 127.2024

0.0000

243.7484,
358.5073, 161.0643

■ 0.0000, 0.1702,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.7709, 59.4489,
9.9057

■ 29.7709, 59.4489,
9.9057

■ 29.7717, 59.4511,
9.9061

■ 30.3485, 59.7300,
10.7684

■ 31.5889, 60.3285,
12.6725

■ 33.6568, 61.3243,
15.9460

■ 36.6627, 62.7700,
20.7812

■ 40.7001, 64.7103,
27.3401

■ 45.8512, 67.1847,
35.7643

■ 52.1900, 70.2285,
46.1808

■ 59.7839, 73.8739,
58.7054

■ 68.6955, 78.1510,
73.4451

Harmonies

Analogous

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



44.9333, 59.4489, 2.9400



29.7709, 59.4489, 9.9057



22.9358, 59.4489, 38.0384

Triad

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



29.7709, 59.4489, 9.9057



46.1929, 59.4489, 290.2212



112.3004, 59.4489, 35.1910

Complementary

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



29.7709, 59.4489, 9.9057



47.6414, 22.8283, 80.4957

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.



112.9174, 59.4489, 101.6635



29.7709, 59.4489, 9.9057



69.9087, 59.4489, 287.1980

Square

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



29.7709, 59.4489, 9.9057



30.4707, 59.4489, 210.1863



95.7781, 59.4489, 203.5725



94.2729, 59.4489, 9.0589

Rectangle

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



29.7709, 59.4489, 9.9057



22.3314, 59.4489, 79.1531



95.7781, 59.4489, 203.5725



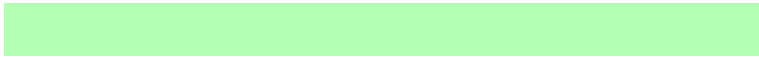
114.6915, 59.4489, 52.1744

Sweetspot

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



29.7723, 59.4514, 9.9070



62.6959, 84.4718, 55.3834



61.7786, 72.6951, 10.7764



12.6914, 17.7309, 10.6566



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.



29.7723, 59.4514, 9.9070



35.8275, 71.5548, 11.9232



32.5073, 60.5382, 24.6341



14.8978, 16.8773, 15.9912



16.5819, 33.0928, 5.5136



1.3125, 2.6039, 0.4334

Inverse Universe

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



47.6414, 22.8283, 80.4957



57.3346, 27.4720, 96.8885



37.9868, 19.1532, 21.2145



15.6815, 15.2966, 19.0483



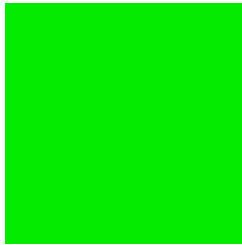
26.5279, 12.7116, 44.7984



2.0931, 1.0033, 3.5182

Previews

White Background



This preview shows how the XYZ color 29.7709, 59.4489, 9.9057 looks on a white background.

Color Contrast Check

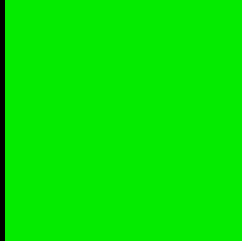
Large Text (above 18pt) WCAG AA × Fail

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 29.7709, 59.4489, 9.9057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

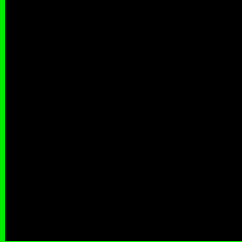
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

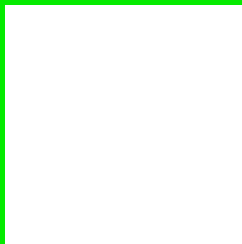
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7709, 59.4489, 9.9057

Background



This preview shows how black text looks on a background with the XYZ color 29.7709, 59.4489, 9.9057.



This preview shows how white text looks on a background with the XYZ color 29.7709, 59.4489,

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

29.7709, 59.4489, 9.9057

Protanopia

52.2507, 57.9420, 8.4300

Deuteranopia

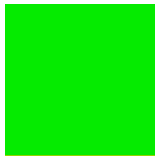
59.1559, 57.7614, 11.1632



Tritanopia

45.3573, 58.8516, 88.3258

Trichromacy



Original Color

29.7709, 59.4489, 9.9057



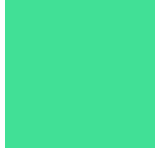
Protanomaly

35.6483, 53.6995, 8.4862



Deuteranomaly

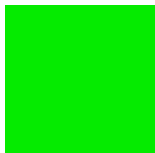
37.2323, 51.9283, 9.4273



Tritanomaly

34.3406, 56.6371, 37.9763

Monochromacy



Original Color

29.7709, 59.4489, 9.9057



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

21.1140, 33.1503, 14.5184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7709, 59.4489, 9.9057 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(5, 235, 0)` looks like.

```
.text, #text, p{  
    color:rgb(5, 235, 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(5, 235, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 235, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.7709, 59.4489, 9.9057 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(5, 235, 0) }
```


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

```
.border{ border-color:rgb(5, 235, 0) }
```

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

Here you see how a box with a 4 pixel rgb(5, 235, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 235, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(5, 235, 0); box-shadow:4px  
4px 4px 4px rgb(5, 235, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7709, 59.4489, 9.9057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 235, 0) }
```

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

```
.background{ background-color: rgb(5, 235,  
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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