

Converting Colors

XYZ(27.5299, 54.9406, 9.5442)

Have a look what the booklet for
XYZ(27.5299, 54.9406, 9.5442)
contains.

XYZ(27.5417, 54.9672, 9.5389)	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(27.5417, 54.9672,
9.5389)**

Conversions

Conversions Part 1

Format	Color
Hex	00E30D
RGB	0, 227, 13
RGB Percent	0%, 89%, 5%
CMY	1.0000, 0.1098, 0.9489
CMYK	1.00, 0.00, 0.94, 0.11
HSL	123°, 100%, 45%
HSV	123°, 100%, 89%
XYZ	27.5417, 54.9672, 9.5389
YIQ	134.7310, -66.5980, -114.6780

Conversions

Conversions Part 2

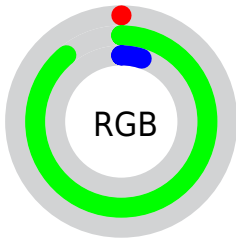
Format	Color
RYB	0, 215, 227
Decimal	58125
CIELab	79.02, -78.71, 75.01
CIELCh	79, 108.726, 136.381
Yxy	54.9672, 0.2992, 0.5972
Android (android.graphics.Color)	4278248205 (0xFF00E30D)
YUV	134.7310, -60.0134, -118.1591
Hunter-Lab	74.1399, -63.4351, 44.2696

Details

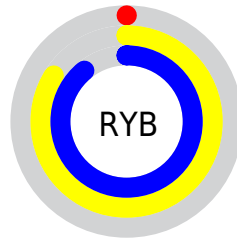
The XYZ color **27.5417, 54.9672, 9.5389** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **43.8147, 21.1855, 65.3839**, and the grayscale version is **23.1645, 24.3708, 26.5398**.

A 20% lighter version of the original color is **44.2876, 75.7029, 21.9508**, and **14.3747, 28.7495, 4.7916** is the 20% darker color. If you saturate the color by 10%, you get **27.5430, 54.9695, 9.5401**, and if you desaturate by 10%, it is **28.1116, 55.2370, 10.7258**.

Distribution



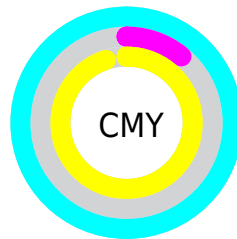
- Red (0%)
- Green (89%)
- Blue (5%)



- Red (0%)
- Yellow (84%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (94%)
- Black (11%)





- Cyan (100%)
- Magenta (11%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.5417, 54.9672, 9.5389 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 27.5417, 54.9672, 9.5389 by changing the saturation by 10% instead.


 27.5417, 54.9672,
9.5389


 27.5417, 54.9672,
9.5389


282.3904,
405.7876, 197.7124


 18.1192, 39.3755,
4.9927


 55.1657, 97.4929,
25.5186


 11.1358, 27.0519,
2.1843


 74.0978, 125.1956,
37.7893


 6.2262, 17.6122,
0.6653


 96.9306, 157.7042,
53.4719

 3.0251, 10.6720,
0.0000

 124.0292,
195.4029, 72.9849

 1.1670, 5.8467,
0.0000

 155.7592,
238.6762, 96.7470

 0.0801, 2.7521,
0.0000

 192.4858,

 0.0000, 1.0037,

287.9085, 125.1765

0.0000

234.5744,
343.4842, 158.6922

■ 0.0000, 0.0000,
0.0000

■ 27.5417, 54.9672,
9.5389

■ 27.5417, 54.9672,
9.5389

■ 27.5430, 54.9695,
9.5401

■ 28.1116, 55.2370,
10.7258

■ 29.2795, 55.7912,
12.9441

■ 31.2084, 56.7119,
16.3634

■ 33.9989, 58.0480,
21.1210

■ 37.7361, 59.8409,
27.3355

■ 42.4949, 62.1270,
35.1125

■ 48.3429, 64.9389,
44.5479

■ 55.3416, 68.3066,
55.7297

■ 63.5481, 72.2578,
68.7398

Harmonies

Analogous

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



41.3671, 54.9672, 2.8698



27.5417, 54.9672, 9.5389



21.3435, 54.9672, 35.9491

Triad

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



27.5417, 54.9672, 9.5389



43.0477, 54.9672, 266.4091



103.1911, 54.9672, 32.1417

Complementary

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



27.5417, 54.9672, 9.5389



43.8147, 21.1855, 65.3839

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.



104.0106, 54.9672, 92.5191



27.5417, 54.9672, 9.5389



64.8792, 54.9672, 262.4060

Square

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



27.5417, 54.9672, 9.5389



28.4777, 54.9672, 194.1951



88.5246, 54.9672, 185.4274



86.5240, 54.9672, 8.3939

Rectangle

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



27.5417, 54.9672, 9.5389



20.8453, 54.9672, 74.0945



88.5246, 54.9672, 185.4274



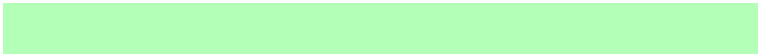
105.4606, 54.9672, 47.5591

Sweetspot

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



27.5430, 54.9695, 9.5401



62.7708, 84.4585, 57.7333



55.6869, 69.4866, 10.4772



12.7085, 17.7279, 11.1876



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.



27.5430, 54.9695, 9.5401



35.8436, 71.5534, 12.3603



31.1624, 56.4173, 28.5998



14.2227, 16.1025, 15.4375



16.0762, 32.0626, 5.6355



1.1999, 2.3741, 0.4790

Inverse Universe

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



43.8147, 21.1855, 65.3839



57.0229, 27.5732, 85.0418



34.0856, 17.2939, 14.1514



14.9575, 14.6002, 17.9767



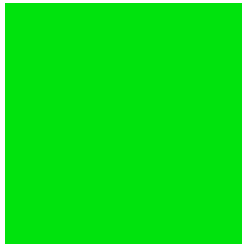
25.5670, 12.3610, 38.2102



1.9003, 0.9178, 2.8813

Previews

White Background



This preview shows how the XYZ color 27.5417, 54.9672, 9.5389 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 27.5417, 54.9672, 9.5389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

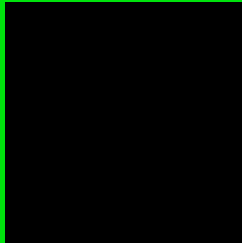
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

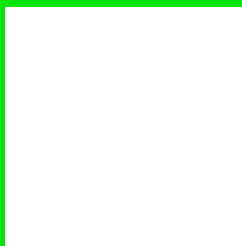
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.5417, 54.9672, 9.5389

Background



This preview shows how black text looks on a background with the XYZ color 27.5417, 54.9672, 9.5389.



This preview shows how white text looks on a background with the XYZ color 27.5417, 54.9672,

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

27.5417, 54.9672, 9.5389

Protanopia

48.5052, 53.6436, 7.7978

Deuteranopia

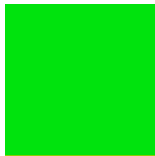
55.0244, 53.7444, 10.4912



Tritanopia

42.0172, 54.6229, 81.7275

Trichromacy



Original Color

27.5417, 54.9672, 9.5389



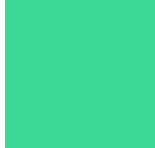
Protanomaly

32.7462, 49.6425, 7.9996



Deuteranomaly

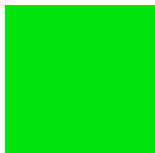
34.5058, 48.4107, 9.2758



Tritanomaly

32.1814, 52.7884, 37.3472

Monochromacy



Original Color

27.5417, 54.9672, 9.5389



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

19.7287, 30.7390, 14.7909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5417, 54.9672, 9.5389 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(0, 227, 13)` looks like.

```
.text, #text, p{  
    color:rgb(0, 227, 13)  
}
```

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(0, 227, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 13) }
```

Border

The CSS property to change the border of an element to XYZ 27.5417, 54.9672, 9.5389 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(0, 227, 13) }
```


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

```
.border{ border-color:rgb(0, 227, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 227, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 227, 13);  
box-shadow:4px 4px 4px 4px rgb(0, 227, 13)  
}
```

Background

The CSS property to change the background color of an element to XYZ 27.5417, 54.9672, 9.5389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 227, 13) }
```

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

```
.background{ background-color: rgb(0, 227,  
13) }
```

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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