

Converting Colors

XYZ(27.5154, 54.9410, 9.4487)

Have a look what the booklet for
XYZ(27.5154, 54.9410, 9.4487)
contains.

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Color

**XYZ(27.5239, 54.9601,
9.4449)**

Conversions

Conversions Part 1

Format	Color
Hex	00E30A
RGB	0, 227, 10
RGB Percent	0%, 89%, 4%
CMY	1.0000, 0.1098, 0.9607
CMYK	1.00, 0.00, 0.96, 0.11
HSL	123°, 100%, 45%
HSV	123°, 100%, 89%
XYZ	27.5239, 54.9601, 9.4449
YIQ	134.3890, -65.6350, -115.6110

Conversions

Conversions Part 2

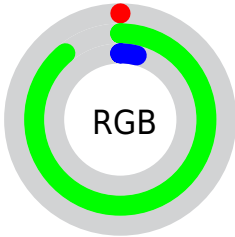
Format	Color
RYB	0, 217, 227
Decimal	58122
CIELab	79.02, -78.77, 75.29
CIELCh	79, 108.962, 136.292
Yxy	54.9601, 0.2994, 0.5979
Android (android.graphics.Color)	4278248202 (0xFF00E30A)
YUV	134.3890, -61.3238, -117.8592
Hunter-Lab	74.1351, -63.4653, 44.3409

Details

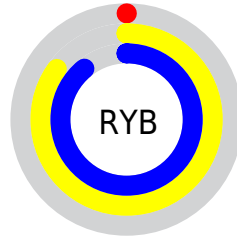
The XYZ color **27.5239, 54.9601, 9.4449** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **44.2009, 21.3400, 67.4177**, and the grayscale version is **23.0423, 24.2423, 26.3999**.

A 20% lighter version of the original color is **44.2453, 75.6860, 21.7281**, and **14.3747, 28.7495, 4.7916** is the 20% darker color. If you saturate the color by 10%, you get **27.5251, 54.9624, 9.4461**, and if you desaturate by 10%, it is **28.0738, 55.2219, 10.5265**.

Distribution



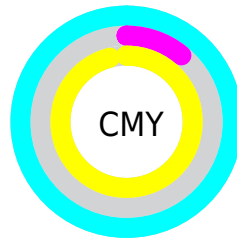
- Red (0%)
- Green (89%)
- Blue (4%)



- Red (0%)
- Yellow (85%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (96%)
- Black (11%)





- Cyan (100%)
- Magenta (11%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.5239, 54.9601, 9.4449 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 27.5239, 54.9601, 9.4449 by changing the saturation by 10% instead.


 27.5239, 54.9601,
9.4449


 27.5239, 54.9601,
9.4449


282.3064,
405.7607, 197.0017


 18.1057, 39.3698,
4.9317


 55.1374, 97.4825,
25.3373

 11.1260, 27.0475,
2.1492


 74.0634, 125.1834,
37.5537

 6.2196, 17.6089,
0.6448


 96.8894, 157.6898,
53.1748

 3.0210, 10.6696,
0.0000

 123.9807,
195.3864, 72.6193

 1.1649, 5.8451,
0.0000

 155.7027,
238.6573, 96.3057

 0.0784, 2.7511,
0.0000

 192.4207,

 0.0000, 1.0032,

287.8871, 124.6526

0.0000

234.5002,
343.4601, 158.0784

■ 0.0000, 0.0000,
0.0000

■ 27.5239, 54.9601,
9.4449

■ 27.5239, 54.9601,
9.4449

■ 27.5251, 54.9624,
9.4461

■ 28.0738, 55.2219,
10.5265

■ 29.2226, 55.7684,
12.6440

■ 31.1355, 56.6827,
15.9787

■ 33.9146, 58.0143,
20.6760

■ 37.6462, 59.8050,
26.8609

■ 42.4063, 62.0916,
34.6444

■ 48.2633, 64.9071,
44.1267

■ 55.2795, 68.2819,
55.4001

■ 63.5126, 72.2437,
68.5499

Harmonies

Analogous

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



41.3929, 54.9601, 2.8293



27.5239, 54.9601, 9.4449



21.2999, 54.9601, 35.7718

Triad

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



27.5239, 54.9601, 9.4449



42.9676, 54.9601, 266.9500



103.3458, 54.9601, 32.2064

Complementary

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



27.5239, 54.9601, 9.4449



44.2009, 21.3400, 67.4177

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.



104.1146, 54.9601, 92.8323



27.5239, 54.9601, 9.4449



64.8288, 54.9601, 263.1911

Square

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



27.5239, 54.9601, 9.4449



28.4003, 54.9601, 194.3070



88.5442, 54.9601, 186.0771



86.6676, 54.9601, 8.3760

Rectangle

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



27.5239, 54.9601, 9.4449



20.7891, 54.9601, 73.9056



88.5442, 54.9601, 186.0771



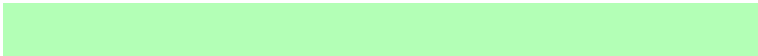
105.6047, 54.9601, 47.6866

Sweetspot

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



27.5252, 54.9624, 9.4461



62.6661, 84.4167, 57.1821



56.8154, 70.0684, 10.5301



12.6848, 17.7185, 11.0628



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.



27.5252, 54.9624, 9.4461



35.8220, 71.5448, 12.2463



30.9257, 56.3226, 27.3530



14.2150, 16.0994, 15.3970



16.0633, 32.0574, 5.5676



1.1962, 2.3726, 0.4596

Inverse Universe

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



44.2009, 21.3400, 67.4177



57.5287, 27.7755, 87.7050



34.2781, 17.3709, 15.1645



14.9662, 14.6037, 18.0222



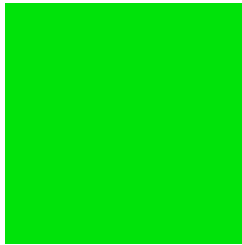
25.7889, 12.4498, 39.3790



1.9143, 0.9234, 2.9551

Previews

White Background



This preview shows how the XYZ color 27.5239, 54.9601, 9.4449 looks on a white background.

Color Contrast Check

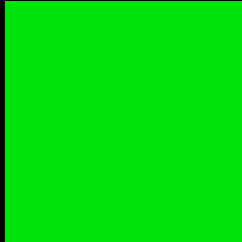
Large Text (above 18pt) WCAG AA × Fail

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 27.5239, 54.9601, 9.4449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

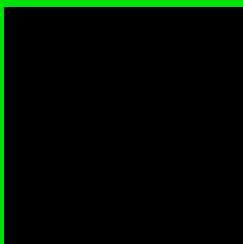
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

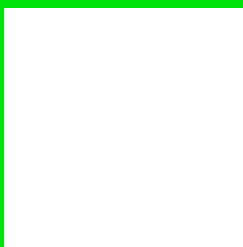
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.5239, 54.9601, 9.4449

Background



This preview shows how black text looks on a background with the XYZ color 27.5239, 54.9601, 9.4449.

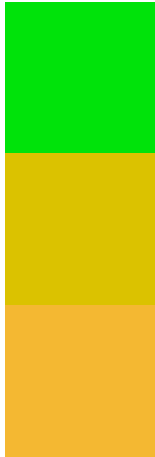


This preview shows how white text looks on a background with the XYZ color 27.5239, 54.9601,

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

27.5239, 54.9601, 9.4449

Protanopia

48.5052, 53.6436, 7.7978

Deuteranopia

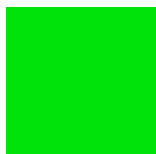
55.0244, 53.7444, 10.4912



Tritanopia

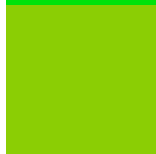
42.0172, 54.6229, 81.7275

Trichromacy



Original Color

27.5239, 54.9601, 9.4449



Protanomaly

32.7407, 49.6403, 7.9708



Deuteranomaly

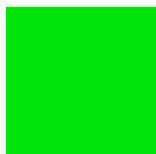
34.4752, 48.3985, 9.1149



Tritanomaly

32.1011, 52.7563, 36.9248

Monochromacy



Original Color

27.5239, 54.9601, 9.4449



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

19.5521, 30.6578, 14.3382

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5239, 54.9601, 9.4449 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, 10)` looks like.

```
.text, #text, p{  
    color:rgb(0, 227, 10)  
}
```

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, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 10) }
```

Border

The CSS property to change the border of an element to XYZ 27.5239, 54.9601, 9.4449 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, 10) }
```


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

```
.border{ border-color:rgb(0, 227, 10) }
```

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, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 227, 10);  
box-shadow:4px 4px 4px 4px rgb(0, 227, 10)  
}
```

Background

The CSS property to change the background color of an element to XYZ 27.5239, 54.9601, 9.4449 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, 10) }
```

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

```
.background{ background-color: rgb(0, 227,  
10) }
```

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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