

Converting Colors

XYZ(27.4850, 54.9227, 9.3078)

Have a look what the booklet for
XYZ(27.4850, 54.9227, 9.3078)
contains.

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Color

**XYZ(27.4965, 54.9491,
9.3006)**

Conversions

Conversions Part 1

Format	Color
Hex	00E305
RGB	0, 227, 5
RGB Percent	0%, 89%, 2%
CMY	1.0000, 0.1098, 0.9803
CMYK	1.00, 0.00, 0.98, 0.11
HSL	121°, 100%, 45%
HSV	121°, 100%, 89%
XYZ	27.4965, 54.9491, 9.3006
YIQ	133.8190, -64.0300, -117.1660

Conversions

Conversions Part 2

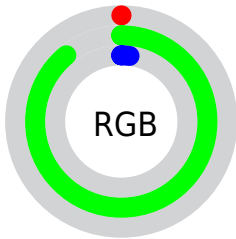
Format	Color
RYB	0, 222, 227
Decimal	58117
CIELab	79.01, -78.85, 75.73
CIELCh	79, 109.327, 136.154
Yxy	54.9491, 0.2997, 0.5989
Android (android.graphics.Color)	4278248197 (0xFF00E305)
YUV	133.8190, -63.5078, -117.3593
Hunter-Lab	74.1277, -63.5116, 44.4504

Details

The XYZ color **27.4965, 54.9491, 9.3006** 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 **44.8617, 21.6044, 70.8974**, and the grayscale version is **22.8390, 24.0284, 26.1669**.

A 20% lighter version of the original color is **44.2035, 75.6693, 21.5084**, and **14.3747, 28.7495, 4.7916** is the 20% darker color. If you saturate the color by 10%, you get **27.4977, 54.9513, 9.3017**, and if you desaturate by 10%, it is **28.0173, 55.1992, 10.2286**.

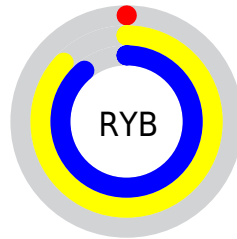
Distribution



Red (0%)

Green (89%)

Blue (2%)



Red (0%)

Yellow (87%)

Blue (89%)

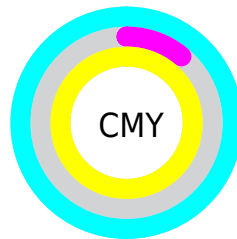


Cyan (100%)

Magenta (0%)

Yellow (98%)

Black (11%)



Cyan (100%)


Magenta (11%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.4965, 54.9491, 9.3006 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 27.4965, 54.9491, 9.3006 by changing the saturation by 10% instead.


 27.4965, 54.9491,
9.3006


 27.4965, 54.9491,
9.3006


282.1770,
405.7190, 195.9047


 18.0850, 39.3610,
4.8383


 55.0939, 97.4664,
25.0583


 11.1111, 27.0407,
2.0956


 74.0104, 125.1643,
37.1908


 6.2094, 17.6038,
0.6132


 96.8260, 157.6676,
52.7171

 3.0147, 10.6659,
0.0000

 123.9060,
195.3608, 72.0558

 1.1615, 5.8426,
0.0000

 155.6157,
238.6280, 95.6253

 0.0757, 2.7496,
0.0000

 192.3206,

 0.0000, 1.0025,

287.8539, 123.8443

0.0000

234.3859,
343.4228, 157.1312

■ 0.0000, 0.0000,
0.0000

■ 27.4965, 54.9491,
9.3006

■ 27.4965, 54.9491,
9.3006

■ 27.4977, 54.9513,
9.3017

■ 28.0173, 55.1992,
10.2286

■ 29.1337, 55.7328,
12.1750

■ 31.0189, 56.6360,
15.3637

■ 33.7778, 57.9596,
19.9547

■ 37.4990, 59.7461,
26.0845

■ 42.2602, 62.0331,
33.8733

■ 48.1313, 64.8543,
43.4295

■ 55.1759, 68.2404,
54.8521

■ 63.4529, 72.2198,
68.2330

Harmonies

Analogous

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



41.4330, 54.9491, 2.7674



27.4965, 54.9491, 9.3006



21.2326, 54.9491, 35.4982

Triad

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



27.4965, 54.9491, 9.3006



42.8437, 54.9491, 267.7872



103.5853, 54.9491, 32.3072

Complementary

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



27.4965, 54.9491, 9.3006



44.8617, 21.6044, 70.8974

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.



104.2754, 54.9491, 93.3190



27.4965, 54.9491, 9.3006



64.7506, 54.9491, 264.4089

Square

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



27.4965, 54.9491, 9.3006



28.2808, 54.9491, 194.4790



88.5742, 54.9491, 187.0859



86.8903, 54.9491, 8.3484

Rectangle

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



27.4965, 54.9491, 9.3006



20.7025, 54.9491, 73.6133



88.5742, 54.9491, 187.0859



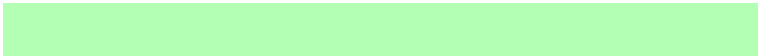
105.8278, 54.9491, 47.8849

Sweetspot

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



27.4978, 54.9514, 9.3018



62.4930, 84.3474, 56.2705



57.9696, 70.6634, 10.5842



12.6457, 17.7028, 10.8566



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.



27.4978, 54.9514, 9.3018



35.7909, 71.5324, 12.0829



30.6980, 56.2315, 26.1541



14.2022, 16.0943, 15.3296



16.0417, 32.0488, 5.4540



1.1900, 2.3701, 0.4272

Inverse Universe

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



44.8617, 21.6044, 70.8974



58.3942, 28.1217, 92.2627



34.4791, 17.4513, 16.2234



14.9806, 14.6094, 18.0983



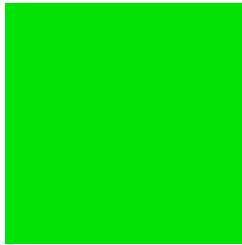
26.1686, 12.6016, 41.3781



1.9382, 0.9330, 3.0810

Previews

White Background



This preview shows how the XYZ color 27.4965, 54.9491, 9.3006 looks on a white background.

Color Contrast Check

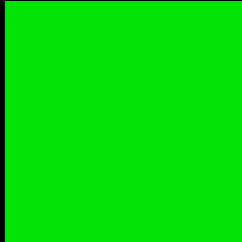
Large Text (above 18pt) WCAG AA × Fail

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 27.4965, 54.9491, 9.3006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

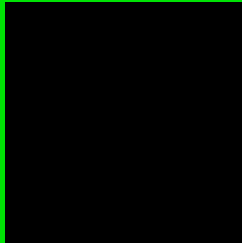
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

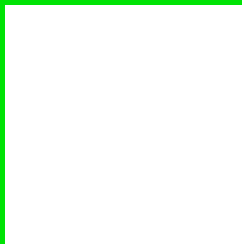
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.4965, 54.9491, 9.3006

Background



This preview shows how black text looks on a background with the XYZ color 27.4965, 54.9491, 9.3006.



This preview shows how white text looks on a background with the XYZ color 27.4965, 54.9491,

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

27.4965, 54.9491, 9.3006

Protanopia

48.5052, 53.6436, 7.7978

Deuteranopia

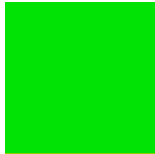
55.0031, 53.7358, 10.3788



Tritanopia

42.0172, 54.6229, 81.7275

Trichromacy



Original Color

27.4965, 54.9491, 9.3006



Protanomaly

32.7297, 49.6360, 7.9131



Deuteranomaly

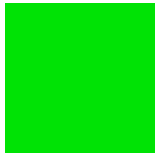
34.4464, 48.3869, 8.9629



Tritanomaly

31.9428, 52.6930, 36.0910

Monochromacy



Original Color

27.4965, 54.9491, 9.3006



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

19.4692, 30.6247, 13.9018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.4965, 54.9491, 9.3006 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, 5)` looks like.

```
.text, #text, p{  
    color:rgb(0, 227, 5)  
}
```

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, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 5) }
```

Border

The CSS property to change the border of an element to XYZ 27.4965, 54.9491, 9.3006 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, 5) }
```


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

```
.border{ border-color:rgb(0, 227, 5) }
```

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, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 227, 5); box-shadow:4px  
4px 4px 4px rgb(0, 227, 5) }
```

Background

The CSS property to change the background color of an element to XYZ 27.4965, 54.9491, 9.3006 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, 5) }
```

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

```
.background{ background-color: rgb(0, 227,  
5) }
```

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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