

Converting Colors

XYZ(27.9984, 54.7999, 9.4758)

Have a look what the booklet for
XYZ(27.9984, 54.7999, 9.4758)
contains.

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Color

**XYZ(27.9966, 54.7968,
9.4821)**

Conversions

Conversions Part 1

Format	Color
Hex	24E20D
RGB	36, 226, 13
RGB Percent	14%, 89%, 5%
CMY	0.8588, 0.1137, 0.9489
CMYK	0.84, 0.00, 0.94, 0.11
HSL	114°, 89%, 47%
HSV	114°, 94%, 89%
XYZ	27.9966, 54.7968, 9.4821
YIQ	144.9080, -44.8670, -106.5230

Conversions

Conversions Part 2

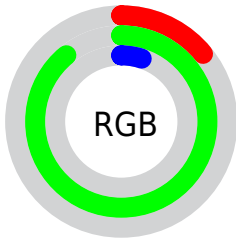
Format	Color
RYB	13, 226, 203
Decimal	2417165
CIELab	78.92, -76.48, 75.01
CIELCh	79, 107.124, 135.554
Yxy	54.7968, 0.3034, 0.5938
Android (android.graphics.Color)	4280607245 (0xFF24E20D)
YUV	144.9080, -65.0306, -95.5123
Hunter-Lab	74.0249, -62.0338, 44.2227

Details

The XYZ color **27.9966, 54.7968, 9.4821** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **38.5088, 18.4803, 73.4918**, and the grayscale version is **27.1478, 28.5616, 31.1036**.

A 20% lighter version of the original color is **45.4906, 76.3231, 22.0071**, and **14.1880, 28.3759, 4.7293** is the 20% darker color. If you saturate the color by 10%, you get **27.5832, 54.5937, 9.0839**, and if you desaturate by 10%, it is **29.1503, 55.3655, 10.7896**.

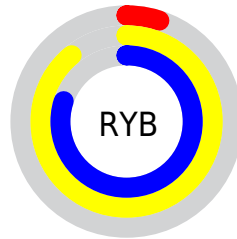
Distribution



Red (14%)

Green (89%)

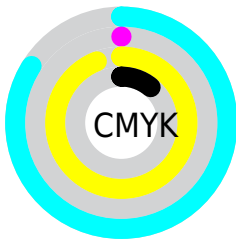
Blue (5%)



Red (5%)

Yellow (89%)

Blue (80%)

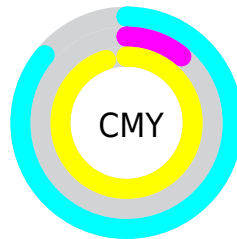


Cyan (84%)

Magenta (0%)

Yellow (94%)

Black (11%)



Cyan (86%)


Magenta (11%)


Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9966, 54.7968, 9.4821 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 27.9966, 54.7968, 9.4821 by changing the saturation by 10% instead.


 27.9966, 54.7968,
9.4821


 27.9966, 54.7968,
9.4821


284.5310,
405.1412, 197.2833


 18.4635, 39.2391,
4.9559


 55.8877, 97.2432,
25.4091


 11.3850, 26.9457,
2.1631


 74.9764, 124.9006,
37.6470


 6.3956, 17.5325,
0.6530


 97.9811, 157.3600,
53.2925

 3.1300, 10.6149,
0.0000

 125.2671,
195.0059, 72.7642

 1.2229, 5.8085,
0.0000

 157.1997,
238.2225, 96.4805

 0.1243, 2.7290,
0.0000

 194.1443,

 0.0000, 0.9919,

287.3944, 124.8601

0.0000

236.4663,
342.9058, 158.3216

■ 0.0000, 0.0000,
0.0000

■ 27.9966, 54.7968,
9.4821

■ 27.9966, 54.7968,
9.4821

■ 27.5832, 54.5937,
9.0839

■ 29.1503, 55.3655,
10.7896

■ 30.9735, 56.2526,
13.2588

■ 33.5517, 57.4998,
17.0811

■ 36.9566, 59.1406,
22.4125

■ 41.2512, 61.2046,
29.3880

■ 46.4927, 63.7187,
38.1274

■ 52.7331, 66.7073,
48.7395

■ 60.0208, 70.1933,
61.3243

■ 68.4011, 74.1979,
75.9746

Harmonies

Analogous

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



41.8656, 54.7968, 3.0082



27.9966, 54.7968, 9.4821



21.6629, 54.7968, 34.9494

Triad

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



27.9966, 54.7968, 9.4821



42.5293, 54.7968, 260.2247



102.2691, 54.7968, 33.4405

Complementary

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



27.9966, 54.7968, 9.4821



38.5088, 18.4803, 73.4918

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.



102.5903, 54.7968, 93.9246



27.9966, 54.7968, 9.4821



63.8400, 54.7968, 258.6634

Square

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



27.9966, 54.7968, 9.4821



28.3678, 54.7968, 188.4758



87.0863, 54.7968, 185.0497



86.3011, 54.7968, 9.0200

Rectangle

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



27.9966, 54.7968, 9.4821



21.0549, 54.7968, 71.7362



87.0863, 54.7968, 185.0497



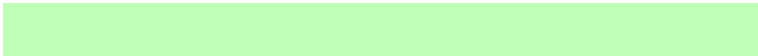
104.3308, 54.7968, 49.0291

Sweetspot

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



27.9979, 54.7991, 9.4833



65.9318, 86.0795, 58.2679



52.3613, 58.0449, 8.8257



13.3634, 18.0659, 11.2011



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.



27.9979, 54.7991, 9.4833



36.2255, 71.7600, 11.9418



29.4143, 55.3008, 19.8714



13.6653, 15.4076, 14.5605



15.7837, 31.1693, 5.1844



1.1409, 2.1846, 0.3615

Inverse Universe

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



38.5088, 18.4803, 73.4918



49.8839, 23.6310, 96.5398



36.5714, 18.4827, 28.1712



14.1418, 13.8566, 17.3169



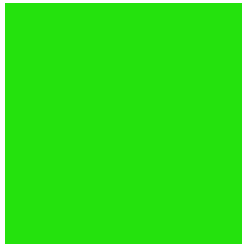
21.7302, 10.2976, 41.8907



1.5485, 0.7356, 2.9056

Previews

White Background



This preview shows how the XYZ color 27.9966, 54.7968, 9.4821 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 27.9966, 54.7968, 9.4821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

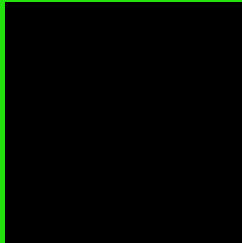
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.9966, 54.7968, 9.4821

Background



This preview shows how black text looks on a background with the XYZ color 27.9966, 54.7968, 9.4821.



This preview shows how white text looks on a background with the XYZ color 27.9966, 54.7968,

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

27.9966, 54.7968, 9.4821

Protanopia

48.2052, 53.4890, 7.7837

Deuteranopia

54.6784, 53.5660, 10.4750



Tritanopia

42.1673, 54.3486, 80.9409

Trichromacy



Original Color

27.9966, 54.7968, 9.4821



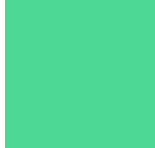
Protanomaly

35.0476, 50.8290, 8.1074



Deuteranomaly

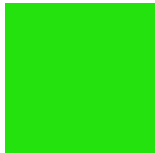
36.9058, 49.3053, 9.3220



Tritanomaly

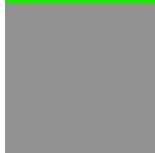
33.0412, 52.8594, 36.8952

Monochromacy



Original Color

27.9966, 54.7968, 9.4821



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

23.1194, 34.1384, 16.6801

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9966, 54.7968, 9.4821 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(36, 226, 13)` looks like.

```
.text, #text, p{  
    color:rgb(36, 226, 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(36, 226, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 226, 13) }
```

Border

The CSS property to change the border of an element to XYZ 27.9966, 54.7968, 9.4821 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(36, 226, 13) }
```


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

```
.border{ border-color:rgb(36, 226, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 226, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 226, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 226, 13);  
box-shadow:4px 4px 4px 4px rgb(36, 226,  
13) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9966, 54.7968, 9.4821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 226, 13) }
```

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

```
.background{ background-color: rgb(36, 226,  
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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