

Converting Colors

XYZ(28.8992, 54.5417, 9.0045)

Have a look what the booklet for
XYZ(28.8992, 54.5417, 9.0045)
contains.

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Color

**XYZ(28.8356, 54.4351,
8.9872)**

Conversions

Conversions Part 1

Format	Color
Hex	41E000
RGB	65, 224, 0
RGB Percent	25%, 88%, 0%
CMY	0.7451, 0.1216, 0.9999
CMYK	0.71, 0.00, 1.00, 0.12
HSL	103°, 100%, 44%
HSV	103°, 100%, 88%
XYZ	28.8356, 54.4351, 8.9872
YIQ	150.9230, -22.8600, -103.3720

Conversions

Conversions Part 2

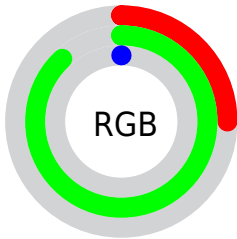
Format	Color
RYB	0, 224, 159
Decimal	4317184
CIELab	78.71, -72.28, 76.22
CIELCh	79, 105.046, 133.481
Yxy	54.4351, 0.3126, 0.5900
Android (android.graphics.Color)	4282507264 (0xFF41E000)
YUV	150.9230, -74.4050, -75.3545
Hunter-Lab	73.7801, -59.3518, 44.4240

Details

The XYZ color **28.8356, 54.4351, 8.9872** 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 **27.7600, 12.7569, 71.5232**, and the grayscale version is **29.7005, 31.2472, 34.0282**.

A 20% lighter version of the original color is **47.5931, 77.4261, 21.2404**, and **13.8187, 27.6374, 4.6062** is the 20% darker color. If you saturate the color by 10%, you get **28.8354, 54.4366, 8.9875**, and if you desaturate by 10%, it is **30.1907, 55.1181, 9.8286**.

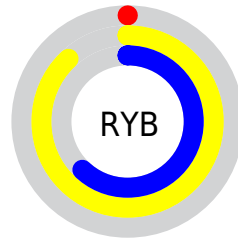
Distribution



Red (25%)

Green (88%)

Blue (0%)



Red (0%)

Yellow (88%)

Blue (62%)

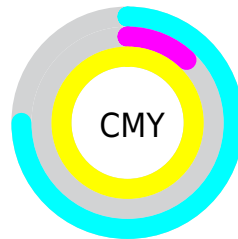


Cyan (71%)

Magenta (0%)

Yellow (100%)

Black (12%)



Cyan (75%)


Magenta (12%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.8356, 54.4351, 8.9872 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 28.8356, 54.4351, 8.9872 by changing the saturation by 10% instead.


 28.8356, 54.4351,
8.9872


 28.8356, 54.4351,
8.9872


288.4467,
403.7670, 193.4969


 19.1001, 38.9496,
4.6361


 57.2152, 96.7128,
24.4496


 11.8471, 26.7205,
1.9804


 76.5900, 124.2738,
36.3979

 6.7111, 17.3635,
0.5432


 99.9086, 156.6288,
51.7158

 3.3268, 10.4940,
0.0000

 127.5364,
194.1621, 70.8218

 1.3289, 5.7277,
0.0000

 159.8388,
237.2582, 94.1343

 0.2047, 2.6802,
0.0000

 197.1811,

 0.0000, 0.9672,

286.3015, 122.0720

0.0000

239.9286,
341.6763, 155.0534

■ 0.0000, 0.0000,
0.0000

■ 28.8356, 54.4351,
8.9872

■ 28.8356, 54.4351,
8.9872

■ 28.8354, 54.4366,
8.9875

■ 30.1907, 55.1181,
9.8286

■ 32.0361, 56.0323,
11.5922

■ 34.4492, 57.2128,
14.5739

■ 37.4805, 58.6820,
18.9418

■ 41.1743, 60.4595,
24.8378

■ 45.5701, 62.5631,
32.3861

■ 50.7043, 65.0091,
41.6983

■ 56.6106, 67.8127,
52.8761

■ 63.3205, 70.9879,
66.0135

Harmonies

Analogous

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



42.9757, 54.4351, 3.1121



28.8356, 54.4351, 8.9872



22.1181, 54.4351, 32.3343

Triad

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



28.8356, 54.4351, 8.9872



41.1938, 54.4351, 250.4597



101.1049, 54.4351, 36.4047

Complementary

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



28.8356, 54.4351, 8.9872



27.7600, 12.7569, 71.5232

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.



100.2508, 54.4351, 98.1033



28.8356, 54.4351, 8.9872



61.6191, 54.4351, 254.5843

Square

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



28.8356, 54.4351, 8.9872



27.8335, 54.4351, 177.9557



84.3739, 54.4351, 187.0295



86.4652, 54.4351, 10.2624

Rectangle

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



28.8356, 54.4351, 8.9872



21.2364, 54.4351, 66.4903



84.3739, 54.4351, 187.0295



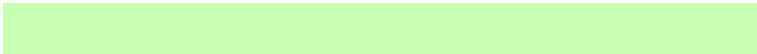
102.7182, 54.4351, 52.5933

Sweetspot

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



28.8369, 54.4374, 8.9884



67.8507, 87.1292, 55.6247



42.7670, 39.8982, 5.4479



13.8724, 18.3397, 10.7118



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.



28.8369, 54.4374, 8.9884



38.5818, 72.9747, 12.0521



27.1274, 53.5018, 11.3619



13.9005, 15.5288, 14.5715



16.8828, 31.7359, 5.2358



1.2574, 2.2447, 0.3670

Inverse Universe

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



27.7600, 12.7569, 71.5232



37.1129, 17.0473, 95.9421



38.8999, 19.1117, 44.3974



13.8875, 13.7255, 17.3050



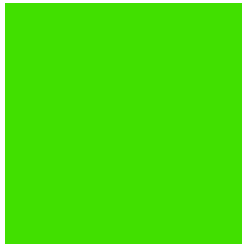
16.2758, 7.4858, 41.6354



1.2156, 0.5640, 2.8900

Previews

White Background



This preview shows how the XYZ color 28.8356, 54.4351, 8.9872 looks on a white background.

Color Contrast Check

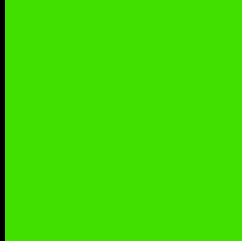
Large Text (above 18pt) WCAG AA × Fail

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 28.8356, 54.4351, 8.9872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

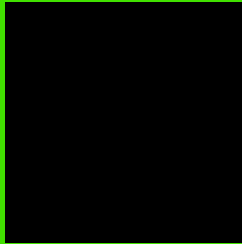
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.8356, 54.4351, 8.9872

Background



This preview shows how black text looks on a background with the XYZ color 28.8356, 54.4351, 8.9872.



This preview shows how white text looks on a background with the XYZ color 28.8356, 54.4351,

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

28.8356, 54.4351, 8.9872

Protanopia

48.2052, 53.4890, 7.7837

Deuteranopia

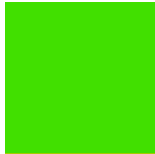
54.4291, 53.1351, 10.1837



Tritanopia

42.7020, 53.9275, 79.3926

Trichromacy



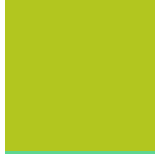
Original Color

28.8356, 54.4351, 8.9872



Protanomaly

36.7316, 51.3440, 7.9744



Deuteranomaly

38.8015, 49.9521, 8.8930



Tritanomaly

33.6206, 52.4560, 34.3396

Monochromacy



Original Color

28.8356, 54.4351, 8.9872



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

25.7774, 36.6784, 16.7874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8356, 54.4351, 8.9872 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(65, 224, 0)` looks like.

```
.text, #text, p{  
    color:rgb(65, 224, 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(65, 224, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 224, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.8356, 54.4351, 8.9872 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(65, 224, 0) }
```


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

```
.border{ border-color:rgb(65, 224, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 224, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 224, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 224, 0);  
box-shadow:4px 4px 4px 4px rgb(65, 224, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.8356, 54.4351, 8.9872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 224, 0) }
```

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

```
.background{ background-color: rgb(65, 224,  
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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