

Converting Colors

XYZ(28.4012, 54.3710, 8.9978)

Have a look what the booklet for
XYZ(28.4012, 54.3710, 8.9978)
contains.

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Color

**XYZ(28.2865, 54.1521,
8.9615)**

Conversions

Conversions Part 1

Format	Color
Hex	38E000
RGB	56, 224, 0
RGB Percent	22%, 88%, 0%
CMY	0.7804, 0.1216, 0.9999
CMYK	0.75, 0.00, 1.00, 0.12
HSL	105°, 100%, 44%
HSV	105°, 100%, 88%
XYZ	28.2865, 54.1521, 8.9615
YIQ	148.2320, -28.2240, -105.2800

Conversions

Conversions Part 2

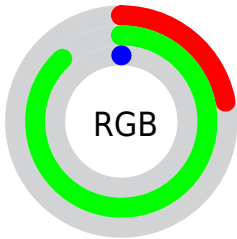
Format	Color
RYB	0, 224, 168
Decimal	3727360
CIELab	78.55, -73.72, 76.02
CIELCh	79, 105.896, 134.120
Yxy	54.1521, 0.3095, 0.5925
Android (android.graphics.Color)	4281917440 (0xFF38E000)
YUV	148.2320, -73.0784, -80.8875
Hunter-Lab	73.5881, -60.1657, 44.2914

Details

The XYZ color **28.2865, 54.1521, 8.9615** 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 **29.6110, 13.7111, 71.6099**, and the grayscale version is **28.5520, 30.0389, 32.7124**.

A 20% lighter version of the original color is **46.6456, 76.9377, 21.1961**, and **13.8187, 27.6374, 4.6062** is the 20% darker color. If you saturate the color by 10%, you get **28.2864, 54.1537, 8.9619**, and if you desaturate by 10%, it is **29.5384, 54.7819, 9.7980**.

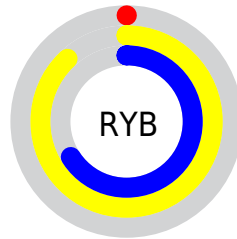
Distribution



Red (22%)

Green (88%)

Blue (0%)



Red (0%)

Yellow (88%)

Blue (66%)

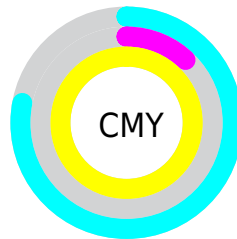


Cyan (75%)

Magenta (0%)

Yellow (100%)

Black (12%)



Cyan (78%)


Magenta (12%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.2865, 54.1521, 8.9615 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 28.2865, 54.1521, 8.9615 by changing the saturation by 10% instead.


 28.2865, 54.1521,
8.9615


 28.2865, 54.1521,
8.9615


285.8887,
402.6897, 193.2979


 18.6833, 38.7233,
4.6196


 56.3470, 96.2975,
24.3995


 11.5443, 26.5445,
1.9711


 75.5350, 123.7829,
36.3326


 6.5042, 17.2314,
0.5374


 98.6486, 156.0560,
51.6333

 3.1976, 10.3996,
0.0000

 126.0532,
193.5011, 70.7200

 1.2591, 5.6647,
0.0000

 158.1142,
236.5026, 94.0112

 0.1523, 2.6423,
0.0000

 195.1968,

 0.0000, 0.9480,

285.4450, 121.9256

0.0000

237.6666,
340.7125, 154.8817

■ 0.0000, 0.0000,
0.0000

■ 28.2865, 54.1521,
8.9615

■ 28.2865, 54.1521,
8.9615

■ 28.2864, 54.1537,
8.9619

■ 29.5384, 54.7819,
9.7980

■ 31.3052, 55.6556,
11.5580

■ 33.6691, 56.8107,
14.5373

■ 36.6848, 58.2719,
18.9044

■ 40.4003, 60.0606,
24.8014

■ 44.8584, 62.1963,
32.3526

■ 50.0985, 64.6969,
41.6697

■ 56.1570, 67.5789,
52.8546

■ 63.0681, 70.8579,
66.0014

Harmonies

Analogous

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



42.2894, 54.1521, 2.9873



28.2865, 54.1521, 8.9615



21.7206, 54.1521, 32.7790

Triad

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



28.2865, 54.1521, 8.9615



41.2538, 54.1521, 252.9189



101.0078, 54.1521, 35.1383

Complementary

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



28.2865, 54.1521, 8.9615



29.6110, 13.7111, 71.6099

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.



100.5087, 54.1521, 96.3228



28.2865, 54.1521, 8.9615



61.8914, 54.1521, 255.3381

Square

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



28.2865, 54.1521, 8.9615



27.7059, 54.1521, 180.5838



84.7584, 54.1521, 185.8982



85.9794, 54.1521, 9.6912

Rectangle

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



28.2865, 54.1521, 8.9615



20.9273, 54.1521, 67.6093



84.7584, 54.1521, 185.8982



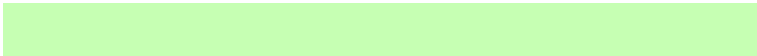
102.7554, 54.1521, 51.0862

Sweetspot

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



28.2878, 54.1544, 8.9627



67.0341, 86.7083, 55.5865



44.7464, 43.8570, 6.1076



13.6832, 18.2422, 10.7030



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.



28.2878, 54.1544, 8.9627



37.8564, 72.6007, 12.0181



27.3715, 53.5995, 12.6473



13.8481, 15.5019, 14.5691



16.5529, 31.5659, 5.2204



1.2286, 2.2298, 0.3656

Inverse Universe

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



29.6110, 13.7111, 71.6099



39.6054, 18.3322, 96.0588



37.8109, 18.6761, 38.6627



13.9430, 13.7542, 17.3076



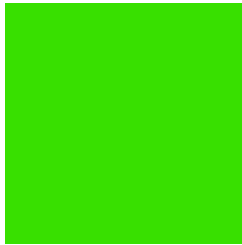
17.3442, 8.0366, 41.6854



1.2824, 0.5984, 2.8932

Previews

White Background



This preview shows how the XYZ color 28.2865, 54.1521, 8.9615 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 28.2865, 54.1521, 8.9615 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 28.2865, 54.1521, 8.9615

Background



This preview shows how black text looks on a background with the XYZ color 28.2865, 54.1521, 8.9615.



This preview shows how white text looks on a background with the XYZ color 28.2865, 54.1521,

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

28.2865, 54.1521, 8.9615

Protanopia

47.6852, 52.8916, 7.6958

Deuteranopia

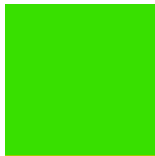
54.0849, 52.9576, 10.1676



Tritanopia

42.2099, 53.6738, 79.3695

Trichromacy



Original Color

28.2865, 54.1521, 8.9615



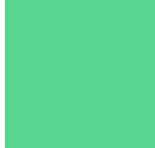
Protanomaly

35.6934, 50.4548, 7.8575



Deuteranomaly

37.8970, 49.4858, 8.8507



Tritanomaly

33.0290, 52.1510, 34.3119

Monochromacy



Original Color

28.2865, 54.1521, 8.9615



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

24.6159, 35.5037, 16.1452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2865, 54.1521, 8.9615 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(56, 224, 0)` looks like.

```
.text, #text, p{  
    color:rgb(56, 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(56, 224, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 224, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.2865, 54.1521, 8.9615 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(56, 224, 0) }
```


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

```
.border{ border-color:rgb(56, 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(56, 224, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 224, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 224, 0);  
box-shadow:4px 4px 4px 4px rgb(56, 224, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.2865, 54.1521, 8.9615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 224, 0) }
```

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

```
.background{ background-color: rgb(56, 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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