

Converting Colors

XYZ(28.9624, 57.7887, 9.6279)

Have a look what the booklet for
XYZ(28.9624, 57.7887, 9.6279)
contains.

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Color

**XYZ(28.9442, 57.7584,
9.6230)**

Conversions

Conversions Part 1

Format	Color
Hex	07E800
RGB	7, 232, 0
RGB Percent	3%, 91%, 0%
CMY	0.9726, 0.0902, 0.9999
CMYK	0.97, 0.00, 1.00, 0.09
HSL	118°, 100%, 45%
HSV	118°, 100%, 91%
XYZ	28.9442, 57.7584, 9.6230
YIQ	138.2770, -59.6280, -119.8520

Conversions

Conversions Part 2

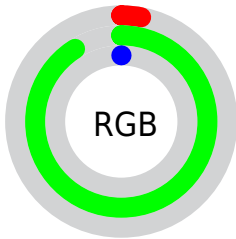
Format	Color
RYB	0, 232, 225
Decimal	518144
CIELab	80.60, -80.01, 77.47
CIELCh	81, 111.369, 135.922
Yxy	57.7584, 0.3005, 0.5996
Android (android.graphics.Color)	4278708224 (0xFF07E800)
YUV	138.2770, -68.1706, -115.1299
Hunter-Lab	75.9989, -65.0164, 45.6920

Details

The XYZ color **28.9442, 57.7584, 9.6230** 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 **45.6306, 21.8413, 78.1578**, and the grayscale version is **24.5344, 25.8121, 28.1094**.

A 20% lighter version of the original color is **44.5505, 75.8530, 21.3099**, and **15.1361, 30.2721, 5.0454** is the 20% darker color. If you saturate the color by 10%, you get **28.9450, 57.7605, 9.6233**, and if you desaturate by 10%, it is **29.5357, 58.0469, 10.4704**.

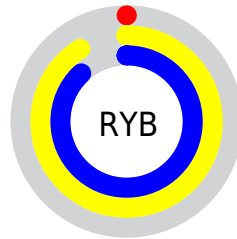
Distribution



Red (3%)

Green (91%)

Blue (0%)



Red (0%)

Yellow (91%)

Blue (88%)

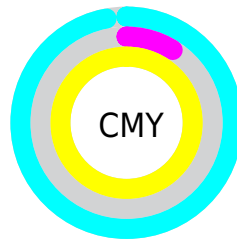


Cyan (97%)

Magenta (0%)

Yellow (100%)

Black (9%)



Cyan (97%)


Magenta (9%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.9442, 57.7584, 9.6230 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 28.9442, 57.7584, 9.6230 by changing the saturation by 10% instead.


 28.9442, 57.7584,
9.6230


 28.9442, 57.7584,
9.6230


288.9505,
416.2851, 198.3458


 19.1827, 41.6144,
5.0474


 57.3866, 101.5710,
25.6806

 11.9071, 28.7995,
2.2159


 76.7982, 130.0083,
37.9996

 6.7522, 18.9292,
0.6835


 100.1572,
163.3123, 53.7369

 3.3526, 11.6191,
0.0000

 127.8289,
201.8673, 73.3110

 1.3428, 6.4849,
0.0000

 160.1788,
246.0577, 97.1404

 0.2149, 3.1421,
0.0000

 197.5721,

 0.0000, 1.2064,

296.2678, 125.6436

0.0000

240.3742,
352.8822, 159.2393

■ 0.0000, 0.0669,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 28.9442, 57.7584,
9.6230

■ 28.9442, 57.7584,
9.6230

■ 28.9450, 57.7605,
9.6233

■ 29.5357, 58.0469,
10.4704

■ 30.7759, 58.6464,
12.3276

■ 32.8150, 59.6292,
15.5140

■ 35.7572, 61.0450,
20.2157

■ 39.6909, 62.9359,
26.5895

■ 44.6939, 65.3391,
34.7724

■ 50.8363, 68.2881,
44.8873

■ 58.1824, 71.8136,
57.0466

■ 66.7914, 75.9439,
71.3538

Harmonies

Analogous

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



43.6788, 57.7584, 2.8616



28.9442, 57.7584, 9.6230



22.2977, 57.7584, 36.9239

Triad

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



28.9442, 57.7584, 9.6230



44.8651, 57.7584, 281.7680



109.0847, 57.7584, 34.2419

Complementary

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



28.9442, 57.7584, 9.6230



45.6306, 21.8413, 78.1578

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.



109.6656, 57.7584, 98.8357



28.9442, 57.7584, 9.6230



67.8897, 57.7584, 278.9218

Square

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



28.9442, 57.7584, 9.6230



29.6034, 57.7584, 204.0182



93.0113, 57.7584, 197.7913



91.5939, 57.7584, 8.8248

Rectangle

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



28.9442, 57.7584, 9.6230



21.7064, 57.7584, 76.8233



93.0113, 57.7584, 197.7913



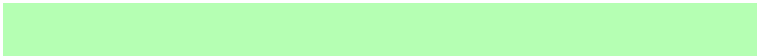
111.4003, 57.7584, 50.7507

Sweetspot

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



28.9455, 57.7608, 9.6243



62.8545, 84.5536, 55.3909



60.0090, 70.6141, 10.4680



12.7272, 17.7493, 10.6582



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.



28.9455, 57.7608, 9.6243



35.8558, 71.5694, 11.9245



31.5802, 58.8046, 23.9533



14.2291, 16.1097, 15.2640



16.0871, 32.0747, 5.3432



1.2030, 2.3775, 0.3955

Inverse Universe

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



45.6306, 21.8413, 78.1578



56.5298, 27.0571, 96.8508



36.9028, 18.6062, 20.6326



14.9501, 14.5920, 18.1729



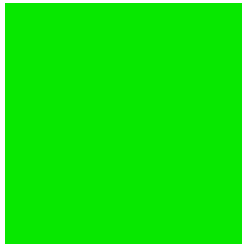
25.3512, 12.1349, 43.3893



1.8869, 0.9037, 3.2069

Previews

White Background



This preview shows how the XYZ color 28.9442, 57.7584, 9.6230 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 28.9442, 57.7584, 9.6230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

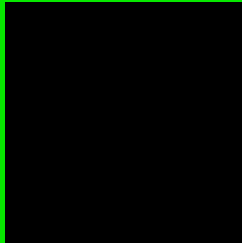
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

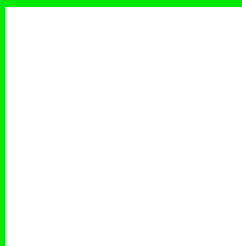
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.9442, 57.7584, 9.6230

Background



This preview shows how black text looks on a background with the XYZ color 28.9442, 57.7584, 9.6230.



This preview shows how white text looks on a background with the XYZ color 28.9442, 57.7584,

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

28.9442, 57.7584, 9.6230

Protanopia

51.1639, 56.6941, 8.2464

Deuteranopia

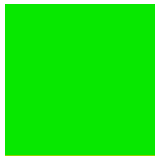
57.6259, 56.3365, 10.8544



Tritanopia

44.3009, 57.5916, 85.8722

Trichromacy



Original Color

28.9442, 57.7584, 9.6230



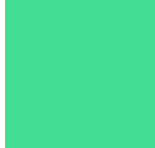
Protanomaly

34.9713, 52.6083, 8.3112



Deuteranomaly

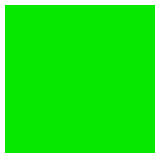
36.5515, 50.8671, 9.2584



Tritanomaly

33.6465, 55.5045, 36.9571

Monochromacy



Original Color

28.9442, 57.7584, 9.6230



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

20.7304, 32.3833, 14.3905

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9442, 57.7584, 9.6230 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(7, 232, 0)` looks like.

```
.text, #text, p{  
    color:rgb(7, 232, 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(7, 232, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 232, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.9442, 57.7584, 9.6230 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(7, 232, 0) }
```


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

```
.border{ border-color:rgb(7, 232, 0) }
```

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

Here you see how a box with a 4 pixel rgb(7, 232, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 232, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(7, 232, 0); box-shadow:4px  
4px 4px 4px rgb(7, 232, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9442, 57.7584, 9.6230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 232, 0) }
```

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

```
.background{ background-color: rgb(7, 232,  
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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