

Converting Colors

XYZ(28.1603, 56.3170, 9.3861)

Have a look what the booklet for
XYZ(28.1603, 56.3170, 9.3861)
contains.

XYZ(28.2968, 56.5936, 9.4323)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.2968, 56.5936,
9.4323)**

Conversions

Conversions Part 1

Format	Color
Hex	00E600
RGB	0, 230, 0
RGB Percent	0%, 90%, 0%
CMY	1.0000, 0.0980, 0.9999
CMYK	1.00, 0.00, 1.00, 0.10
HSL	120°, 100%, 45%
HSV	120°, 100%, 90%
XYZ	28.2968, 56.5936, 9.4323
YIQ	135.0100, -63.2500, -120.2900

Conversions

Conversions Part 2

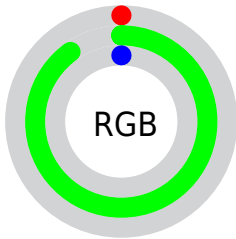
Format	Color
RYB	0, 230, 230
Decimal	58880
CIELab	79.95, -79.72, 76.94
CIELCh	80, 110.788, 136.016
Yxy	56.5936, 0.3000, 0.6000
Android (android.graphics.Color)	4278248960 (0xFF00E600)
YUV	135.0100, -66.5599, -118.4038
Hunter-Lab	75.2287, -64.5086, 45.2262

Details

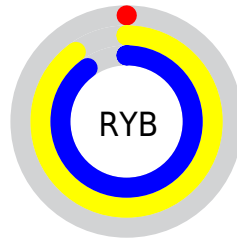
The XYZ color **28.2968, 56.5936, 9.4323** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **46.9134, 22.5353, 76.7193**, and the grayscale version is **23.2915, 24.5045, 26.6854**.

A 20% lighter version of the original color is **44.2904, 75.7188, 21.2977**, and **14.9436, 29.8871, 4.9812** is the 20% darker color. If you saturate the color by 10%, you get **28.2981, 56.5960, 9.4336**, and if you desaturate by 10%, it is **28.8062, 56.8400, 10.2651**.

Distribution



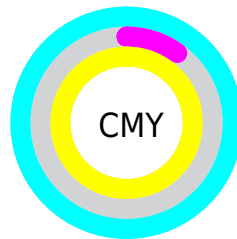
- Red (0%)
- Green (90%)
- Blue (0%)



- Red (0%)
- Yellow (90%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (100%)
- Black (10%)





- Cyan (100%)
- Magenta (10%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.2968, 56.5936, 9.4323 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 28.2968, 56.5936, 9.4323 by changing the saturation by 10% instead.


 28.2968, 56.5936,
9.4323


 28.2968, 56.5936,
9.4323


285.9369,
411.9247, 196.9062


 18.6911, 40.6790,
4.9236


 56.3633, 99.8720,
25.3130


 11.5500, 28.0684,
2.1445


 75.5548, 128.0045,
37.5220

 6.5080, 18.3772,
0.6421


 98.6723, 160.9786,
53.1349

 3.2000, 11.2211,
0.0000

 126.0811,
199.1785, 72.5702

 1.2604, 6.2158,
0.0000

 158.1466,
242.9887, 96.2465

 0.1533, 2.9767,
0.0000

 195.2342,

 0.0000, 1.1196,

292.7935, 124.5822

0.0000

237.7091,
348.9774, 157.9959

■ 0.0000, 0.0000,
0.0000

■ 28.2968, 56.5936,
9.4323

■ 28.2968, 56.5936,
9.4323

■ 28.2981, 56.5960,
9.4336

■ 28.8062, 56.8400,
10.2651

■ 29.9184, 57.3742,
12.0850

■ 31.8272, 58.2911,
15.2079

■ 34.6444, 59.6444,
19.8166

■ 38.4640, 61.4791,
26.0645

■ 43.3681, 63.8348,
34.0862

■ 49.4306, 66.7469,
44.0022

■ 56.7186, 70.2477,
55.9225

■ 65.2944, 74.3671,
69.9488

Harmonies

Analogous

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



42.7236, 56.5936, 2.7874



28.2968, 56.5936, 9.4323



21.8028, 56.5936, 36.2846

Triad

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



28.2968, 56.5936, 9.4323



44.0062, 56.5936, 276.7284



106.9564, 56.5936, 33.3862

Complementary

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



28.2968, 56.5936, 9.4323



46.9134, 22.5353, 76.7193

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.



107.5850, 56.5936, 96.6398



28.2968, 56.5936, 9.4323



66.6204, 56.5936, 273.6470

Square

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



28.2968, 56.5936, 9.4323



29.0091, 56.5936, 200.5174



91.2744, 56.5936, 193.7772



89.7410, 56.5936, 8.5716

Rectangle

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



28.2968, 56.5936, 9.4323



21.2365, 56.5936, 75.5278



91.2744, 56.5936, 193.7772



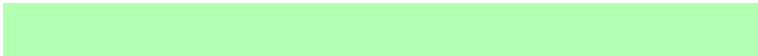
109.2493, 56.5936, 49.5352

Sweetspot

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



28.2981, 56.5960, 9.4336



62.3223, 84.2791, 55.3716



60.9324, 73.4195, 10.9599



12.6072, 17.6874, 10.6539



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.



28.2981, 56.5960, 9.4336



35.7602, 71.5201, 11.9210



31.3926, 57.8337, 25.7287



14.1895, 16.0892, 15.2625



16.0202, 32.0402, 5.3407



1.1839, 2.3677, 0.3948

Inverse Universe

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



46.9134, 22.5353, 76.7193



59.2842, 28.4777, 96.9497



35.7291, 18.0615, 17.8234



14.9951, 14.6152, 18.1745



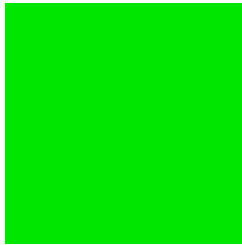
26.5587, 12.7577, 43.4326



1.9626, 0.9428, 3.2097

Previews

White Background



This preview shows how the XYZ color 28.2968, 56.5936, 9.4323 looks on a white background.

Color Contrast Check

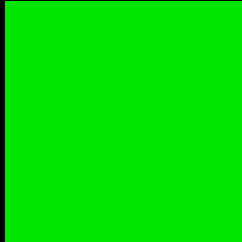
Large Text (above 18pt) WCAG AA × Fail

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 28.2968, 56.5936, 9.4323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

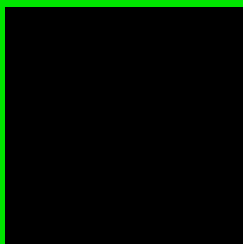
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

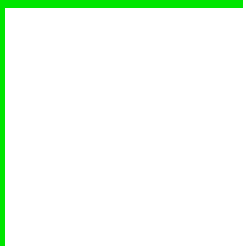
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.2968, 56.5936, 9.4323

Background



This preview shows how black text looks on a background with the XYZ color 28.2968, 56.5936, 9.4323.

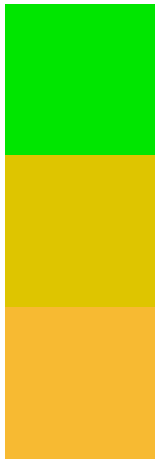


This preview shows how white text looks on a background with the XYZ color 28.2968, 56.5936,

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

28.2968, 56.5936, 9.4323

Protanopia

50.0905, 55.4621, 8.0652

Deuteranopia

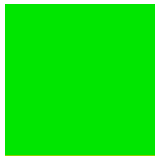
56.4924, 55.1223, 10.6798



Tritanopia

43.4001, 56.4040, 84.2009

Trichromacy



Original Color

28.2968, 56.5936, 9.4323



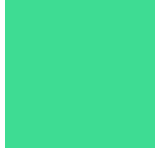
Protanomaly

33.7850, 51.2636, 8.1142



Deuteranomaly

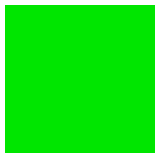
35.2859, 49.5134, 9.0638



Tritanomaly

32.8463, 54.3171, 36.3568

Monochromacy



Original Color

28.2968, 56.5936, 9.4323



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

19.8922, 31.3998, 13.8164

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2968, 56.5936, 9.4323 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, 230, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 230, 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(0, 230, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.2968, 56.5936, 9.4323 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, 230, 0) }
```


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

```
.border{ border-color:rgb(0, 230, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 230, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 230, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 230, 0); box-shadow:4px  
4px 4px 4px rgb(0, 230, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2968, 56.5936, 9.4323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 230, 0) }
```

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

```
.background{ background-color: rgb(0, 230,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor