

Converting Colors

XYZ(28.1684, 56.3211, 9.3864)

Have a look what the booklet for
XYZ(28.1684, 56.3211, 9.3864)
contains.

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Color

**XYZ(28.3093, 56.6001,
9.4329)**

Conversions

Conversions Part 1

Format	Color
Hex	01E600
RGB	1, 230, 0
RGB Percent	0%, 90%, 0%
CMY	0.9961, 0.0980, 0.9999
CMYK	1.00, 0.00, 1.00, 0.10
HSL	120°, 100%, 45%
HSV	120°, 100%, 90%
XYZ	28.3093, 56.6001, 9.4329
YIQ	135.3090, -62.6540, -120.0780

Conversions

Conversions Part 2

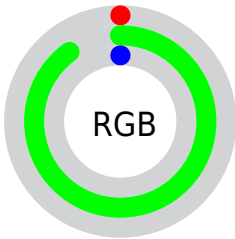
Format	Color
RYB	0, 230, 229
Decimal	124416
CIELab	79.95, -79.68, 76.94
CIELCh	80, 110.767, 136.002
Yxy	56.6001, 0.3001, 0.5999
Android (android.graphics.Color)	4278314496 (0xFF01E600)
YUV	135.3090, -66.7073, -117.7890
Hunter-Lab	75.2330, -64.4904, 45.2292

Details

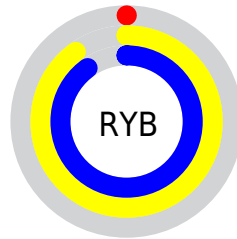
The XYZ color **28.3093, 56.6001, 9.4329** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **46.6102, 22.3790, 76.7289**, and the grayscale version is **23.4031, 24.6219, 26.8133**.

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 **28.3100, 56.6022, 9.4332**, and if you desaturate by 10%, it is **28.8273, 56.8509, 10.2663**.

Distribution



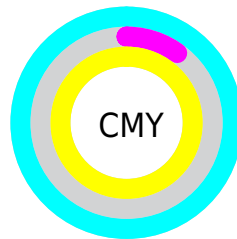
- Red (0%)
- Green (90%)
- Blue (0%)



- 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 28.3093, 56.6001, 9.4329 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 28.3093, 56.6001, 9.4329 by changing the saturation by 10% instead.


 28.3093, 56.6001,
9.4329


 28.3093, 56.6001,
9.4329


285.9953,
411.9491, 196.9107


 18.7006, 40.6843,
4.9240


 56.3831, 99.8814,
25.3142


 11.5569, 28.0725,
2.1448


 75.5788, 128.0157,
37.5236


 6.5127, 18.3803,
0.6422


 98.7010, 160.9917,
53.1368

 3.2029, 11.2234,
0.0000

 126.1149,
199.1936, 72.5726

 1.2619, 6.2173,
0.0000

 158.1860,
243.0059, 96.2493

 0.1545, 2.9776,
0.0000

 195.2795,

 0.0000, 1.1201,

292.8130, 124.5855

0.0000

237.7608,
348.9993, 157.9998

■ 0.0000, 0.0000,
0.0000

■ 28.3093, 56.6001,
9.4329

■ 28.3093, 56.6001,
9.4329

■ 28.3100, 56.6022,
9.4332

■ 28.8273, 56.8509,
10.2663

■ 29.9550, 57.3931,
12.0874

■ 31.8779, 58.3173,
15.2119

■ 34.7062, 59.6762,
19.8225

■ 38.5327, 61.5145,
26.0727

■ 43.4388, 63.8711,
34.0969

■ 49.4974, 66.7812,
44.0158

■ 56.7753, 70.2767,
55.9394

■ 65.3340, 74.3872,
69.9694

Harmonies

Analogous

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



42.7393, 56.6001, 2.7901



28.3093, 56.6001, 9.4329



21.8119, 56.6001, 36.2735

Triad

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



28.3093, 56.6001, 9.4329



44.0046, 56.6001, 276.6667



106.9582, 56.6001, 33.4140

Complementary

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



28.3093, 56.6001, 9.4329



46.6102, 22.3790, 76.7289

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.



107.5783, 56.6001, 96.6803



28.3093, 56.6001, 9.4329



66.6136, 56.6001, 273.6274

Square

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



28.3093, 56.6001, 9.4329



29.0120, 56.6001, 200.4512



91.2647, 56.6001, 193.8031



89.7521, 56.6001, 8.5835

Rectangle

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



28.3093, 56.6001, 9.4329



21.2436, 56.6001, 75.4996



91.2647, 56.6001, 193.8031



109.2479, 56.6001, 49.5687

Sweetspot

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



28.3106, 56.6025, 9.4342



62.3951, 84.3168, 55.3694



59.8776, 71.3097, 10.6092



12.6235, 17.6959, 10.6534



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.



28.3106, 56.6025, 9.4342



35.7734, 71.5269, 11.9206



31.1779, 57.7480, 24.5957



14.1949, 16.0920, 15.2624



16.0294, 32.0450, 5.3405



1.1865, 2.3690, 0.3947

Inverse Universe

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



46.6102, 22.3790, 76.7289



58.8984, 28.2781, 96.9617



35.9557, 18.1527, 19.0147



14.9889, 14.6120, 18.1747



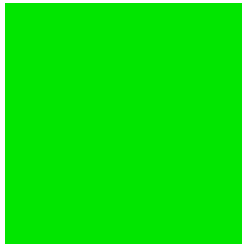
26.3896, 12.6702, 43.4379



1.9520, 0.9373, 3.2100

Previews

White Background



This preview shows how the XYZ color 28.3093, 56.6001, 9.4329 looks on a white background.

Color Contrast Check

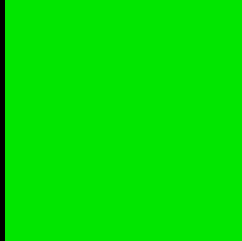
Large Text (above 18pt) WCAG AA × Fail

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 28.3093, 56.6001, 9.4329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

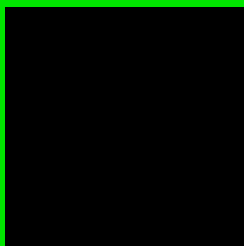
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.3093, 56.6001, 9.4329

Background



This preview shows how black text looks on a background with the XYZ color 28.3093, 56.6001, 9.4329.



This preview shows how white text looks on a background with the XYZ color 28.3093, 56.6001,

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

28.3093, 56.6001, 9.4329

Protanopia

50.0905, 55.4621, 8.0652

Deuteranopia

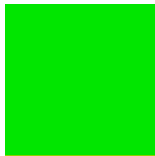
56.4924, 55.1223, 10.6798



Tritanopia

43.4001, 56.4040, 84.2009

Trichromacy



Original Color

28.3093, 56.6001, 9.4329



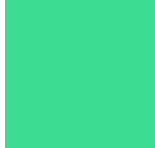
Protanomaly

33.9558, 51.3517, 8.1222



Deuteranomaly

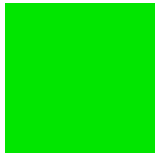
35.4818, 49.6144, 9.0730



Tritanomaly

32.8463, 54.3171, 36.3568

Monochromacy



Original Color

28.3093, 56.6001, 9.4329



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 28.3093, 56.6001, 9.4329 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(1, 230, 0)` looks like.

```
.text, #text, p{  
    color:rgb(1, 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(1, 230, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 230, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.3093, 56.6001, 9.4329 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(1, 230, 0) }
```


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

```
.border{ border-color:rgb(1, 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(1, 230, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 230, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 230, 0); box-shadow:4px  
4px 4px 4px rgb(1, 230, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3093, 56.6001, 9.4329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 230, 0) }
```

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

```
.background{ background-color: rgb(1, 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](#).

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