

Converting Colors

XYZ(28.7900, 56.7909, 12.0291)

Have a look what the booklet for
XYZ(28.7900, 56.7909, 12.0291)
contains.

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Color

**XYZ(28.7900, 56.7909,
12.0291)**

Conversions

Conversions Part 1

Format	Color
Hex	00E62E
RGB	0, 230, 46
RGB Percent	0%, 90%, 18%
CMY	1.0000, 0.0980, 0.8196
CMYK	1.00, 0.00, 0.80, 0.10
HSL	132°, 100%, 45%
HSV	132°, 100%, 90%
XYZ	28.7900, 56.7909, 12.0291
YIQ	140.2540, -78.0160, -105.9840

Conversions

Conversions Part 2

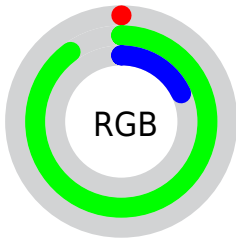
Format	Color
RYB	0, 192, 230
Decimal	58926
CIELab	80.06, -78.27, 69.66
CIELCh	80, 104.775, 138.331
Yxy	56.7909, 0.2949, 0.5818
Android (android.graphics.Color)	4278249006 (0xFF00E62E)
YUV	140.2540, -46.4672, -123.0028
Hunter-Lab	75.3597, -63.6864, 43.2878

Details

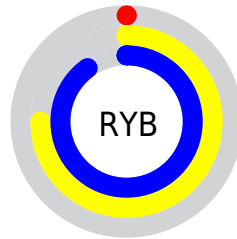
The XYZ color **28.7900, 56.7909, 12.0291** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **41.2864, 20.2846, 47.0877**, and the grayscale version is **25.2252, 26.5389, 28.9008**.

A 20% lighter version of the original color is **45.0959, 76.0263, 26.2077**, and **14.9436, 29.8871, 4.9812** is the 20% darker color. If you saturate the color by 10%, you get **28.7912, 56.7932, 12.0299**, and if you desaturate by 10%, it is **29.5885, 57.1530, 14.3838**.

Distribution



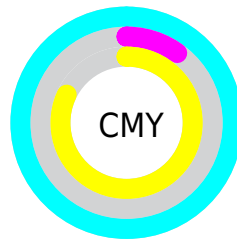
- Red (0%)
- Green (90%)
- Blue (18%)



- Red (0%)
- Yellow (75%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (80%)
- Black (10%)



- Cyan (100%)
- Magenta (10%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7900, 56.7909, 12.0291 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 28.7900, 56.7909, 12.0291 by changing the saturation by 10% instead.

■ 28.7900, 56.7909,
12.0291

■ 28.7900, 56.7909,
12.0291

288.2349,
412.6653, 215.5826

■ 19.0655, 40.8374,
6.6407

■ 57.1431, 100.1600,
30.2133

■ 11.8219, 28.1920,
3.1634

■ 76.5025, 128.3444,
43.8462

■ 6.6939, 18.4705,
1.1787

■ 99.8042, 161.3746,
61.0643

■ 3.3160, 11.2883,
0.0000

■ 127.4135,
199.6348, 82.2862

■ 1.3230, 6.2611,
0.0000

■ 159.6959,
243.5097, 107.9305

■ 0.2003, 3.0045,
0.0000

197.0167,

■ 0.0000, 1.1341,

293.3834, 138.4156

0.0000

239.7413,
349.6405, 174.1601

■ 0.0000, 0.0068,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 28.7900, 56.7909,
12.0291

■ 28.7900, 56.7909,
12.0291


■ 28.7912, 56.7932,
12.0299


■ 29.5885, 57.1530,
14.3838


■ 30.9789, 57.7985,
17.6684


■ 33.1119, 58.8051,
21.9709


■ 36.0788, 60.2182,
27.3668

 39.9574, 62.0765,
33.9241

 44.8161, 64.4141,
41.7054

 50.7168, 67.2615,
50.7688

 57.7164, 70.6470,
61.1687

 65.8673, 74.5965,
72.9561

Harmonies

Analogous

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



42.0890, 56.7909, 3.9424



28.7900, 56.7909, 12.0291



22.9717, 56.7909, 41.0078

Triad

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



28.7900, 56.7909, 12.0291



46.1073, 56.7909, 262.6697



102.9664, 56.7909, 31.7833

Complementary

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



28.7900, 56.7909, 12.0291



41.2864, 20.2846, 47.0877

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.



104.8738, 56.7909, 88.7373



28.7900, 56.7909, 12.0291



67.9184, 56.7909, 253.5197

Square

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



28.7900, 56.7909, 12.0291



31.0619, 56.7909, 197.4500



90.7379, 56.7909, 177.2680



86.0601, 56.7909, 9.0732

Rectangle

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



28.7900, 56.7909, 12.0291



22.7380, 56.7909, 80.4457



90.7379, 56.7909, 177.2680



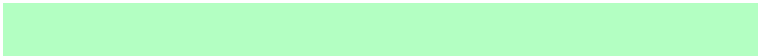
105.5204, 56.7909, 46.3427

Sweetspot

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



28.7913, 56.7932, 12.0304



63.9503, 84.9303, 63.9444



48.0662, 66.7868, 10.3580



12.9780, 17.8357, 12.6066



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.



28.7913, 56.7932, 12.0304



36.3576, 71.7590, 15.0669



34.7315, 59.1693, 43.3107



14.3066, 16.1361, 15.8793



16.3340, 32.1657, 6.9930



1.2397, 2.3900, 0.6889

Inverse Universe

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



41.2864, 20.2846, 47.0877



52.1387, 25.6195, 59.3220



33.7089, 17.2535, 7.1848



14.8651, 14.5632, 17.4899



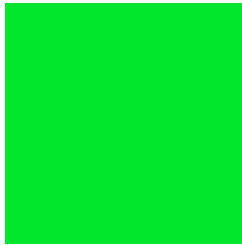
23.4177, 11.5013, 26.8922



1.7620, 0.8625, 2.1531

Previews

White Background



This preview shows how the XYZ color 28.7900, 56.7909, 12.0291 looks on a white background.

Color Contrast Check

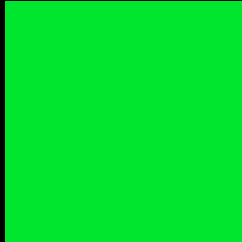
Large Text (above 18pt) WCAG AA × Fail

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 28.7900, 56.7909, 12.0291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

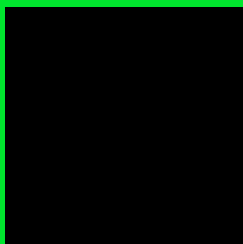
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.7900, 56.7909, 12.0291

Background



This preview shows how black text looks on a background with the XYZ color 28.7900, 56.7909, 12.0291.

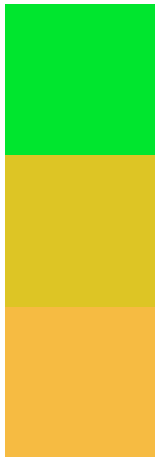


This preview shows how white text looks on a background with the XYZ color 28.7900, 56.7909,

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

28.7900, 56.7909, 12.0291

Protanopia

50.1190, 55.4382, 9.8094

Deuteranopia

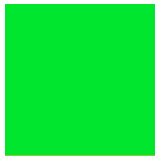
56.7597, 55.5268, 12.8804



Tritanopia

43.3314, 56.3522, 84.9372

Trichromacy



Original Color

28.7900, 56.7909, 12.0291



Protanomaly

34.1680, 51.4168, 10.1311



Deuteranomaly

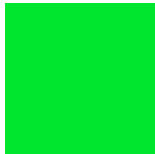
36.0500, 50.1957, 11.9264



Tritanomaly

34.1575, 54.8274, 43.9044

Monochromacy



Original Color

28.7900, 56.7909, 12.0291



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

21.6649, 33.0516, 18.8734

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7900, 56.7909, 12.0291 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, 46)` looks like.

```
.text, #text, p{  
    color:rgb(0, 230, 46)  
}
```

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, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 46) }
```

Border

The CSS property to change the border of an element to XYZ 28.7900, 56.7909, 12.0291 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, 46) }
```


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

```
.border{ border-color:rgb(0, 230, 46) }
```

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, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 230, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 230, 46);  
box-shadow:4px 4px 4px 4px rgb(0, 230, 46)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.7900, 56.7909, 12.0291 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, 46) }
```

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

```
.background{ background-color: rgb(0, 230,  
46) }
```

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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