

Converting Colors

XYZ(29.9371, 57.1464, 12.9329)

Have a look what the booklet for
XYZ(29.9371, 57.1464, 12.9329)
contains.

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Color

**XYZ(29.8119, 56.8858,
12.8988)**

Conversions

Conversions Part 1

Format	Color
Hex	2EE536
RGB	46, 229, 54
RGB Percent	18%, 90%, 21%
CMY	0.8196, 0.1019, 0.7882
CMYK	0.80, 0.00, 0.76, 0.10
HSL	123°, 78%, 54%
HSV	123°, 80%, 90%
XYZ	29.8119, 56.8858, 12.8988
YIQ	154.3330, -52.8930, -93.2210

Conversions

Conversions Part 2

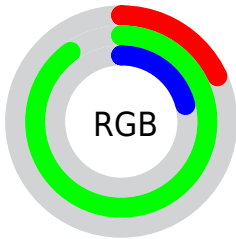
Format	Color
RYB	46, 221, 229
Decimal	3073334
CIELab	80.12, -74.57, 67.49
CIElCh	80, 100.577, 137.853
Yxy	56.8858, 0.2993, 0.5712
Android (android.graphics.Color)	4281263414 (0xFF2EE536)
YUV	154.3330, -49.4642, -95.0080
Hunter-Lab	75.4227, -61.4350, 42.6561

Details

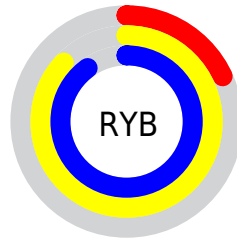
The XYZ color **29.8119, 56.8858, 12.8988** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **46.3424, 23.8332, 70.5634**, and the grayscale version is **31.0906, 32.7097, 35.6209**.

A 20% lighter version of the original color is **47.1981, 77.0722, 28.0116**, and **14.7525, 29.5050, 4.9175** is the 20% darker color. If you saturate the color by 10%, you get **28.6383, 56.3291, 10.7374**, and if you desaturate by 10%, it is **31.7690, 57.8230, 16.3068**.

Distribution



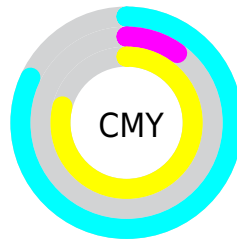
- Red (18%)
- Green (90%)
- Blue (21%)



- Red (18%)
- Yellow (87%)
- Blue (90%)



- Cyan (80%)
- Magenta (0%)
- Yellow (76%)
- Black (10%)





- Cyan (82%)
- Magenta (10%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8119, 56.8858, 12.8988 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 29.8119, 56.8858, 12.8988 by changing the saturation by 10% instead.


 29.8119, 56.8858,
12.8988


 29.8119, 56.8858,
12.8988


292.9523,
413.0213, 221.4531


 19.8432, 40.9136,
7.2290


 58.7533, 100.2985,
31.8104


 12.3887, 28.2515,
3.5251


 78.4566, 128.5078,
45.8892


 7.0831, 18.5154,
1.3686


 102.1356,
161.5649, 63.6081

 3.5609, 11.3206,
0.1171

 130.1556,
199.8542, 85.3857

 1.4569, 6.2829,
0.0000

 162.8819,
243.7601, 111.6404

 0.2962, 3.0179,
0.0000

200.6799,

 0.0000, 1.1411,

293.6670, 142.7909

0.0000

243.9149,
349.9592, 179.2556

■ 0.0000, 0.0128,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.8119, 56.8858,
12.8988

■ 29.8119, 56.8858,
12.8988

■ 28.6383, 56.3291,
10.7374

■ 31.7690, 57.8230,
16.3068

■ 28.0789, 56.0645,
9.6348

■ 34.6097, 59.1842,
21.1064

■ 28.0753, 56.0628,
9.6292

■ 38.4238, 61.0145,
27.4267

■ 43.2887, 63.3514,
35.3811

■ 49.2743, 66.2288,
45.0721

■ 56.4442, 69.6774,
56.5941

■ 64.8575, 73.7258,
70.0344

■ 74.5691, 78.4007,
85.4749

■ 85.6309, 83.7270,
102.9927

Harmonies

Analogous

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



42.8718, 56.8858, 4.6649



29.8119, 56.8858, 12.8988



23.9853, 56.8858, 41.1106

Triad

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



29.8119, 56.8858, 12.8988



46.1986, 56.8858, 250.5448



100.8787, 56.8858, 33.3981

Complementary

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



29.8119, 56.8858, 12.8988



46.3424, 23.8332, 70.5634

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.



102.4243, 56.8858, 88.8281



29.8119, 56.8858, 12.8988



67.0618, 56.8858, 243.2393

Square

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



29.8119, 56.8858, 12.8988



31.7151, 56.8858, 188.8251



88.8350, 56.8858, 172.6196



85.0306, 56.8858, 10.3056

Rectangle

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



29.8119, 56.8858, 12.8988



23.6886, 56.8858, 78.6618



88.8350, 56.8858, 172.6196



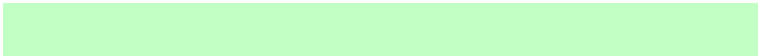
103.2106, 56.8858, 47.7719

Sweetspot

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



29.8132, 56.8882, 12.9001



67.9751, 86.9702, 65.7141



58.9155, 71.9109, 13.3599



13.8598, 18.2835, 12.9565



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.



29.8132, 56.8882, 12.9001



36.0222, 71.6396, 12.6343



34.1510, 58.6232, 35.7422



14.2148, 16.0993, 15.3957



16.0628, 32.0572, 5.5653



1.1960, 2.3725, 0.4590

Inverse Universe

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



46.3424, 23.8332, 70.5634



57.7241, 28.0308, 88.1880



37.4155, 20.2624, 23.5551



14.9664, 14.6038, 18.0237



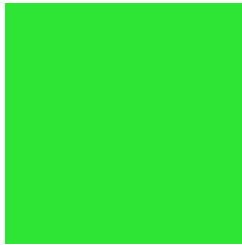
25.7963, 12.4528, 39.4181



1.9148, 0.9236, 2.9576

Previews

White Background



This preview shows how the XYZ color 29.8119, 56.8858, 12.8988 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 29.8119, 56.8858, 12.8988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

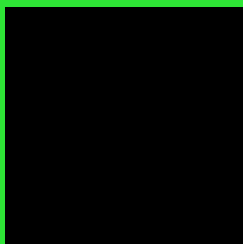
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.8119, 56.8858, 12.8988

Background



This preview shows how black text looks on a background with the XYZ color 29.8119, 56.8858, 12.8988.



This preview shows how white text looks on a background with the XYZ color 29.8119, 56.8858,

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

29.8119, 56.8858, 12.8988

Protanopia

50.2782, 55.5019, 10.6478

Deuteranopia

56.5962, 55.4210, 13.8453



Tritanopia

43.8116, 56.2416, 84.1479

Trichromacy



Original Color

29.8119, 56.8858, 12.8988



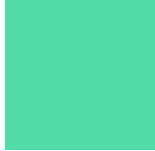
Protanomaly

37.2595, 52.9908, 11.1702



Deuteranomaly

39.3082, 51.5069, 12.8711



Tritanomaly

35.7862, 55.2469, 45.3368

Monochromacy



Original Color

29.8119, 56.8858, 12.8988



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

26.8641, 38.0006, 23.0585

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8119, 56.8858, 12.8988 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(46, 229, 54)` looks like.

```
.text, #text, p{  
    color:rgb(46, 229, 54)  
}
```

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(46, 229, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 229, 54) }
```

Border

The CSS property to change the border of an element to XYZ 29.8119, 56.8858, 12.8988 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(46, 229, 54) }
```


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

```
.border{ border-color:rgb(46, 229, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 229, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 229, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 229, 54);  
box-shadow:4px 4px 4px 4px rgb(46, 229,  
54) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8119, 56.8858, 12.8988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 229, 54) }
```

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

```
.background{ background-color: rgb(46, 229,  
54) }
```

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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