

Converting Colors

XYZ(29.3841, 56.0576, 12.7814)

Have a look what the booklet for
XYZ(29.3841, 56.0576, 12.7814)
contains.

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Color

**XYZ(29.4914, 56.3110,
12.8048)**

Conversions

Conversions Part 1

Format	Color
Hex	2DE436
RGB	45, 228, 54
RGB Percent	18%, 89%, 21%
CMY	0.8235, 0.1059, 0.7882
CMYK	0.80, 0.00, 0.76, 0.11
HSL	123°, 77%, 54%
HSV	123°, 80%, 89%
XYZ	29.4914, 56.3110, 12.8048
YIQ	153.4470, -53.2140, -92.9100

Conversions

Conversions Part 2

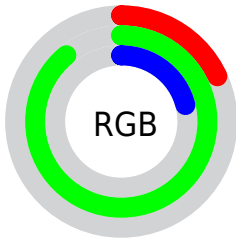
Format	Color
RYB	45, 219, 228
Decimal	3007542
CIELab	79.79, -74.39, 67.17
CIELCh	80, 100.229, 137.921
Yxy	56.3110, 0.2991, 0.5711
Android (android.graphics.Color)	4281197622 (0xFF2DE436)
YUV	153.4470, -49.0274, -95.1080
Hunter-Lab	75.0407, -61.1696, 42.4113

Details

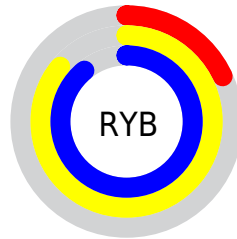
The XYZ color **29.4914, 56.3110, 12.8048** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **45.7203, 23.4857, 69.1388**, and the grayscale version is **30.6986, 32.2973, 35.1718**.

A 20% lighter version of the original color is **47.0528, 76.9973, 28.0048**, and **14.5629, 29.1258, 4.8543** is the 20% darker color. If you saturate the color by 10%, you get **28.3450, 55.7680, 10.6604**, and if you desaturate by 10%, it is **31.4081, 57.2283, 16.1711**.

Distribution



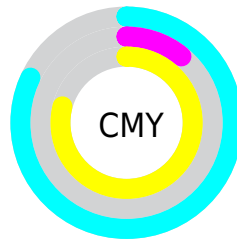
- Red (18%)
- Green (89%)
- Blue (21%)



- Red (18%)
- Yellow (86%)
- Blue (89%)



- Cyan (80%)
- Magenta (0%)
- Yellow (76%)
- Black (11%)





- Cyan (82%)
- Magenta (11%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.4914, 56.3110, 12.8048 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 29.4914, 56.3110, 12.8048 by changing the saturation by 10% instead.


 29.4914, 56.3110,
12.8048


 29.4914, 56.3110,
12.8048


291.4791,
410.8625, 220.8266


 19.5990, 40.4523,
7.1651


 58.2491, 99.4591,
31.6387

 12.2105, 27.8914,
3.4856


 77.8451, 127.5174,
45.6700


 6.9604, 18.2438,
1.3476


 101.4064,
160.4110, 63.3355

 3.4835, 11.1252,
0.1003

 129.2983,
198.5243, 85.0539

 1.4143, 6.1511,
0.0000

 161.8861,
242.2417, 111.2437

 0.2664, 2.9372,
0.0000

199.5353,

 0.0000, 1.0990,

291.9476, 142.3234

0.0000

242.6112,
348.0264, 178.7115

■ 0.0000, 0.0000,
0.0000

■ 29.4914, 56.3110,
12.8048

■ 29.4914, 56.3110,
12.8048

■ 28.3450, 55.7680,
10.6604

■ 31.4081, 57.2283,
16.1711


■ 27.8062, 55.5137,
9.5731


■ 34.1943, 58.5628,
20.8999


■ 37.9386, 60.3593,
27.1169


■ 42.7175, 62.6549,
34.9323

■ 48.6000, 65.4830,
44.4462

 55.6489, 68.8739,
55.7503

 63.9226, 72.8560,
68.9297

 73.4752, 77.4555,
84.0643

 84.3579, 82.6971,
101.2291

Harmonies

Analogous

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



42.4019, 56.3110, 4.6264



29.4914, 56.3110, 12.8048



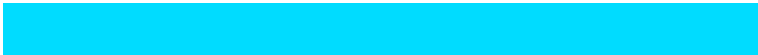
23.7390, 56.3110, 40.7946

Triad

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



29.4914, 56.3110, 12.8048



45.7728, 56.3110, 248.0625



99.8337, 56.3110, 32.9794

Complementary

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



29.4914, 56.3110, 12.8048



45.7203, 23.4857, 69.1388

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.



101.3998, 56.3110, 87.7647



29.4914, 56.3110, 12.8048



66.4337, 56.3110, 240.6610

Square

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



29.4914, 56.3110, 12.8048



31.4199, 56.3110, 187.0898



87.9773, 56.3110, 170.6708



84.1227, 56.3110, 10.1767

Rectangle

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



29.4914, 56.3110, 12.8048



23.4545, 56.3110, 78.0187



87.9773, 56.3110, 170.6708



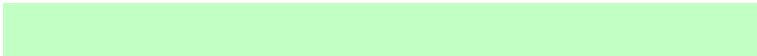
102.1535, 56.3110, 47.1805

Sweetspot

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



29.4927, 56.3133, 12.8061



68.0134, 86.9855, 65.9158



58.3130, 71.1929, 13.1508



13.8687, 18.2871, 13.0033



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.



29.4927, 56.3133, 12.8061



36.0349, 71.6447, 12.7013



33.7545, 58.0181, 35.2484



14.2179, 16.1006, 15.4124



16.0682, 32.0594, 5.5935



1.1976, 2.3732, 0.4670

Inverse Universe

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



45.7203, 23.4857, 69.1388



57.5209, 27.9495, 87.1181



36.9909, 19.9939, 23.1703



14.9629, 14.6023, 18.0048



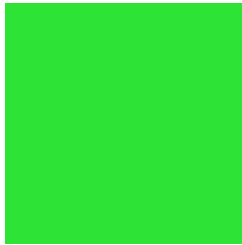
25.7037, 12.4157, 38.9303



1.9089, 0.9213, 2.9268

Previews

White Background



This preview shows how the XYZ color 29.4914, 56.3110, 12.8048 looks on a white background.

Color Contrast Check

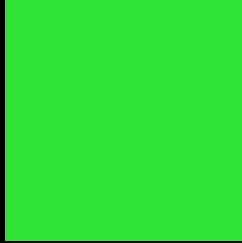
Large Text (above 18pt) WCAG AA × Fail

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 29.4914, 56.3110, 12.8048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

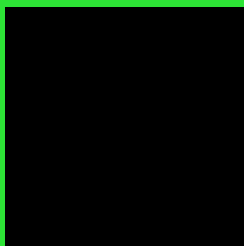
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.4914, 56.3110, 12.8048

Background



This preview shows how black text looks on a background with the XYZ color 29.4914, 56.3110, 12.8048.

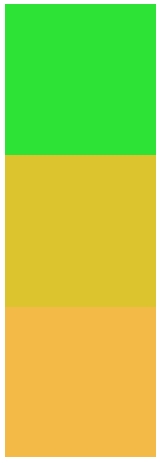


This preview shows how white text looks on a background with the XYZ color 29.4914, 56.3110,

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

29.4914, 56.3110, 12.8048

Protanopia

49.7483, 54.8928, 10.5581

Deuteranopia

56.0368, 54.8188, 13.7585



Tritanopia

43.5567, 56.1265, 83.4007

Trichromacy



Original Color

29.4914, 56.3110, 12.8048



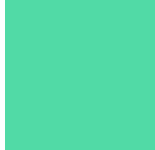
Protanomaly

36.8206, 52.4014, 11.0796



Deuteranomaly

38.8540, 50.9256, 12.7828



Tritanomaly

35.3477, 54.6453, 44.7610

Monochromacy



Original Color

29.4914, 56.3110, 12.8048



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

26.4716, 37.5043, 22.6735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4914, 56.3110, 12.8048 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(45, 228, 54)` looks like.

```
.text, #text, p{  
    color:rgb(45, 228, 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(45, 228, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 228, 54) }
```

Border

The CSS property to change the border of an element to XYZ 29.4914, 56.3110, 12.8048 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(45, 228, 54) }
```


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

```
.border{ border-color:rgb(45, 228, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 228, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 228, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 228, 54);  
box-shadow:4px 4px 4px 4px rgb(45, 228,  
54) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4914, 56.3110, 12.8048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 228, 54) }
```

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

```
.background{ background-color: rgb(45, 228,  
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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