

Converting Colors

XYZ(28.9841, 56.6462, 13.7367)

Have a look what the booklet for
XYZ(28.9841, 56.6462, 13.7367)
contains.

XYZ(29.1124, 56.9199, 13.7272)	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(29.1124, 56.9199,
13.7272)**

Conversions

Conversions Part 1

Format	Color
Hex	00E63C
RGB	0, 230, 60
RGB Percent	0%, 90%, 24%
CMY	1.0000, 0.0980, 0.7647
CMYK	1.00, 0.00, 0.74, 0.10
HSL	136°, 100%, 45%
HSV	136°, 100%, 90%
XYZ	29.1124, 56.9199, 13.7272
YIQ	141.8500, -82.5100, -101.6300

Conversions

Conversions Part 2

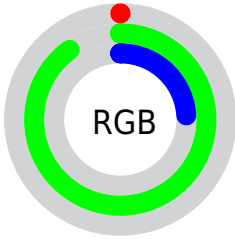
Format	Color
RYB	0, 182, 230
Decimal	58940
CIELab	80.13, -77.33, 65.46
CIELCh	80, 101.320, 139.751
Yxy	56.9199, 0.2918, 0.5706
Android (android.graphics.Color)	4278249020 (0xFF00E63C)
YUV	141.8500, -40.3520, -124.4025
Hunter-Lab	75.4453, -63.1507, 42.0239

Details

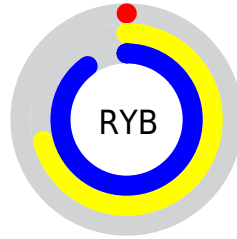
The XYZ color **29.1124, 56.9199, 13.7272** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **39.8899, 19.7259, 39.7342**, and the grayscale version is **25.8309, 27.1761, 29.5948**.

A 20% lighter version of the original color is **45.5856, 76.2075, 29.4465**, and **14.9436, 29.8871, 4.9812** is the 20% darker color. If you saturate the color by 10%, you get **29.1137, 56.9222, 13.7285**, and if you desaturate by 10%, it is **29.9911, 57.3140, 16.5043**.

Distribution



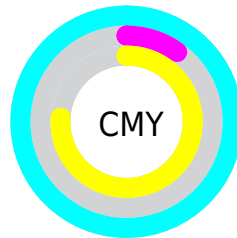
- Red (0%)
- Green (90%)
- Blue (24%)



- Red (0%)
- Yellow (71%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (74%)
- Black (10%)



- Cyan (100%)
- Magenta (10%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1124, 56.9199, 13.7272 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 29.1124, 56.9199, 13.7272 by changing the saturation by 10% instead.

■ 29.1124, 56.9199,
13.7272

■ 29.1124, 56.9199,
13.7272

289.7296,
413.1491, 226.8962

■ 19.3106, 40.9409,
7.7946

■ 57.6519, 100.3483,
33.3143

■ 12.0002, 28.2729,
3.8779

■ 77.1204, 128.5665,
47.8059

■ 6.8160, 18.5315,
1.5586

■ 100.5417,
161.6333, 65.9876

■ 3.3926, 11.3322,
0.2610

■ 128.2813,
199.9330, 88.2779

■ 1.3646, 6.2908,
0.0000

■ 160.7046,
243.8500, 115.0954

■ 0.2308, 3.0227,
0.0000

198.1768,

■ 0.0000, 1.1436,

293.7688, 146.8586

0.0000

241.0633,
350.0737, 183.9860

■ 0.0000, 0.0149,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.1124, 56.9199,
13.7272

■ 29.1124, 56.9199,
13.7272

■ 29.1137, 56.9222,
13.7285


■ 29.9911, 57.3140,
16.5043

■ 31.4454, 57.9851,
20.1260


■ 33.6219, 59.0090,
24.6584


■ 36.6084, 60.4300,
30.1587

 40.4797, 62.2854,
36.6790

 45.3016, 64.6082,
44.2678

 51.1337, 67.4282,
52.9703

 58.0303, 70.7724,
62.8292

 66.0419, 74.6662,
73.8849

Harmonies

Analogous

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



41.7674, 56.9199, 4.7468



29.1124, 56.9199, 13.7272



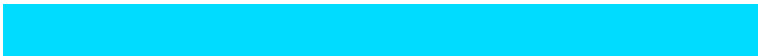
23.6916, 56.9199, 43.8735

Triad

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



29.1124, 56.9199, 13.7272



47.3423, 56.9199, 254.5829



100.7058, 56.9199, 30.9561

Complementary

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



29.1124, 56.9199, 13.7272



39.8899, 19.7259, 39.7342

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.



103.3024, 56.9199, 84.4777



29.1124, 56.9199, 13.7272



68.6501, 56.9199, 242.2882

Square

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



29.1124, 56.9199, 13.7272



32.2972, 56.9199, 195.4887



90.3943, 56.9199, 168.2314



84.0058, 56.9199, 9.4078

Rectangle

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



29.1124, 56.9199, 13.7272



23.6570, 56.9199, 83.2869



90.3943, 56.9199, 168.2314



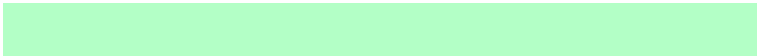
103.3946, 56.9199, 44.6510

Sweetspot

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



29.1137, 56.9222, 13.7285



64.4810, 85.1426, 66.7393



45.4219, 65.4236, 10.2340



13.1005, 17.8847, 13.2516



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.



29.1137, 56.9222, 13.7285



36.7590, 71.9196, 17.1807



35.7928, 59.5939, 48.8998



14.3429, 16.1506, 16.0705



16.5245, 32.2419, 7.9964



1.2585, 2.3975, 0.7876

Inverse Universe

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



39.8899, 19.7259, 39.7342



50.3681, 24.9113, 49.9981



33.3855, 17.1241, 5.4824



14.8261, 14.5476, 17.2847



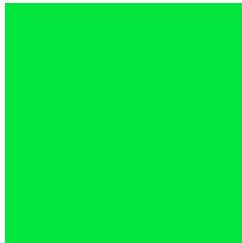
22.6352, 11.1883, 22.7715



1.7102, 0.8418, 1.8803

Previews

White Background



This preview shows how the XYZ color 29.1124, 56.9199, 13.7272 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 29.1124, 56.9199, 13.7272 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 29.1124, 56.9199, 13.7272

Background



This preview shows how black text looks on a background with the XYZ color 29.1124, 56.9199, 13.7272.



This preview shows how white text looks on a background with the XYZ color 29.1124, 56.9199,

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

29.1124, 56.9199, 13.7272

Protanopia

50.4049, 55.5526, 11.3149

Deuteranopia

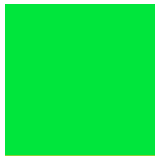
56.7661, 55.4889, 14.7397



Tritanopia

43.5852, 56.8600, 85.0218

Trichromacy



Original Color

29.1124, 56.9199, 13.7272



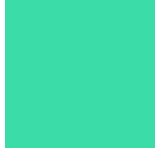
Protanomaly

34.4746, 51.5395, 11.7455



Deuteranomaly

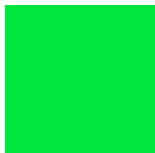
36.2036, 50.2347, 13.7494



Tritanomaly

34.6181, 55.0116, 46.3299

Monochromacy



Original Color

29.1124, 56.9199, 13.7272



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

22.2771, 33.6156, 20.6436

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1124, 56.9199, 13.7272 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, 60)` looks like.

```
.text, #text, p{  
    color:rgb(0, 230, 60)  
}
```

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, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 60) }
```

Border

The CSS property to change the border of an element to XYZ 29.1124, 56.9199, 13.7272 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, 60) }
```


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

```
.border{ border-color:rgb(0, 230, 60) }
```

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, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 230, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 230, 60);  
box-shadow:4px 4px 4px 4px rgb(0, 230, 60)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.1124, 56.9199, 13.7272 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, 60) }
```

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

```
.background{ background-color: rgb(0, 230,  
60) }
```

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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