

Converting Colors

XYZ(29.2296, 56.7449, 15.0246)

Have a look what the booklet for
XYZ(29.2296, 56.7449, 15.0246)
contains.

XYZ(29.3710, 57.0233, 15.0888)	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(29.3710, 57.0233,
15.0888)**

Conversions

Conversions Part 1

Format	Color
Hex	00E645
RGB	0, 230, 69
RGB Percent	0%, 90%, 27%
CMY	1.0000, 0.0980, 0.7294
CMYK	1.00, 0.00, 0.70, 0.10
HSL	138°, 100%, 45%
HSV	138°, 100%, 90%
XYZ	29.3710, 57.0233, 15.0888
YIQ	142.8760, -85.3990, -98.8310

Conversions

Conversions Part 2

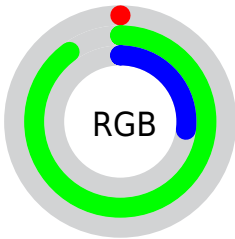
Format	Color
RYB	0, 177, 230
Decimal	58949
CIELab	80.19, -76.59, 62.35
CIELCh	80, 98.759, 140.850
Yxy	57.0233, 0.2894, 0.5619
Android (android.graphics.Color)	4278249029 (0xFF00E645)
YUV	142.8760, -36.4209, -125.3023
Hunter-Lab	75.5138, -62.7217, 41.0126

Details

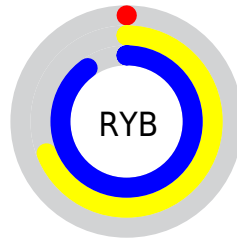
The XYZ color **29.3710, 57.0233, 15.0888** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **39.0679, 19.3971, 35.4050**, and the grayscale version is **26.2258, 27.5916, 30.0473**.

A 20% lighter version of the original color is **46.0172, 76.3802, 31.7195**, and **14.9436, 29.8871, 4.9812** is the 20% darker color. If you saturate the color by 10%, you get **29.3722, 57.0256, 15.0894**, and if you desaturate by 10%, it is **30.2953, 57.4357, 18.1058**.

Distribution



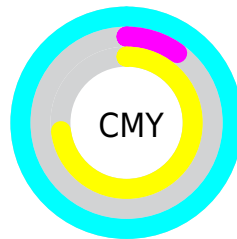
- Red (0%)
- Green (90%)
- Blue (27%)



- Red (0%)
- Yellow (69%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (70%)
- Black (10%)





- Cyan (100%)
- Magenta (10%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.3710, 57.0233, 15.0888 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 29.3710, 57.0233, 15.0888 by changing the saturation by 10% instead.


 29.3710, 57.0233,
15.0888


 29.3710, 57.0233,
15.0888


290.9242,
413.5366, 235.5623


 19.5073, 41.0239,
8.7344


 58.0595, 100.4992,
35.7534


 12.1436, 28.3378,
4.4739


 77.6151, 128.7445,
50.9007


 6.9145, 18.5805,
1.8888


 101.1320,
161.8406, 69.8160

 3.4545, 11.3675,
0.4856

 128.9756,
200.1719, 92.9179

 1.3984, 6.3146,
0.0000

 161.5112,
244.1227, 120.6250

 0.2551, 3.0373,
0.0000

199.1043,

 0.0000, 1.1512,

294.0775, 153.3557

0.0000

242.1202,
350.4207, 191.5287

■ 0.0000, 0.0213,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.3710, 57.0233,
15.0888

■ 29.3710, 57.0233,
15.0888


■ 29.3722, 57.0256,
15.0894


■ 30.2953, 57.4357,
18.1058

■ 31.7840, 58.1205,
21.9081


■ 33.9816, 59.1529,
26.5508


■ 36.9741, 60.5763,
32.0815

 40.8345, 62.4274,
38.5438

 45.6274, 64.7386,
45.9786

 51.4108, 67.5391,
54.4242

 58.2381, 70.8556,
63.9168

 66.1585, 74.7129,
74.4907

Harmonies

Analogous

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



41.5501, 57.0233, 5.4168



29.3710, 57.0233, 15.0888



24.2495, 57.0233, 46.0678

Triad

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



29.3710, 57.0233, 15.0888



48.2704, 57.0233, 248.5885



99.0459, 57.0233, 30.3870

Complementary

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



29.3710, 57.0233, 15.0888



39.0679, 19.3971, 35.4050

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.



102.1316, 57.0233, 81.4501



29.3710, 57.0233, 15.0888



69.1850, 57.0233, 234.1238

Square

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



29.3710, 57.0233, 15.0888



33.2399, 57.0233, 193.9392



90.1224, 57.0233, 161.7438



82.5122, 57.0233, 9.6799

Rectangle

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



29.3710, 57.0233, 15.0888



24.3664, 57.0233, 85.3948



90.1224, 57.0233, 161.7438



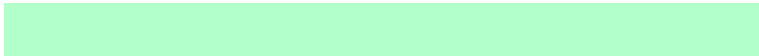
101.8275, 57.0233, 43.4631

Sweetspot

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



29.3724, 57.0256, 15.0901



64.8307, 85.2825, 68.5806



42.9968, 64.1734, 10.1207



13.1815, 17.9171, 13.6785



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.



29.3724, 57.0256, 15.0901



37.0820, 72.0488, 18.8814



36.9502, 60.0568, 54.9944



14.3664, 16.1600, 16.1941



16.6754, 32.3023, 8.7910



1.2722, 2.4030, 0.8600

Inverse Universe

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



39.0679, 19.3971, 35.4050



49.3261, 24.4945, 44.5111



33.1277, 17.0211, 4.1247



14.8013, 14.5377, 17.1538



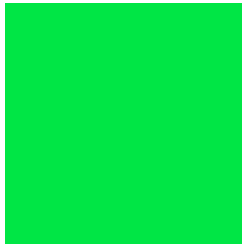
22.1735, 11.0036, 20.3404



1.6791, 0.8294, 1.7167

Previews

White Background



This preview shows how the XYZ color 29.3710, 57.0233, 15.0888 looks on a white background.

Color Contrast Check

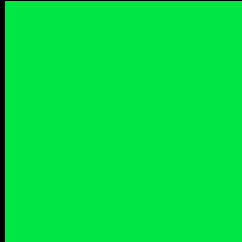
Large Text (above 18pt) WCAG AA × Fail

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 29.3710, 57.0233, 15.0888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

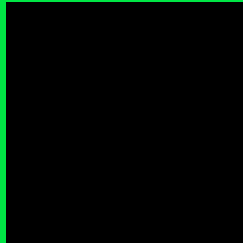
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.3710, 57.0233, 15.0888

Background



This preview shows how black text looks on a background with the XYZ color 29.3710, 57.0233, 15.0888.

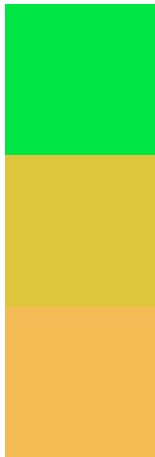


This preview shows how white text looks on a background with the XYZ color 29.3710, 57.0233,

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

29.3710, 57.0233, 15.0888

Protanopia

50.6007, 55.6309, 12.3459

Deuteranopia

56.6788, 55.4138, 16.0962



Tritanopia

43.4820, 56.8068, 85.0170

Trichromacy



Original Color

29.3710, 57.0233, 15.0888



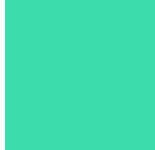
Protanomaly

34.6822, 51.6225, 12.8388



Deuteranomaly

36.2848, 50.2449, 15.1830



Tritanomaly

34.9995, 55.1642, 48.3383

Monochromacy



Original Color

29.3710, 57.0233, 15.0888



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

22.7967, 34.1450, 21.9121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3710, 57.0233, 15.0888 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, 69)` looks like.

```
.text, #text, p{  
    color:rgb(0, 230, 69)  
}
```

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, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 69) }
```

Border

The CSS property to change the border of an element to XYZ 29.3710, 57.0233, 15.0888 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, 69) }
```


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

```
.border{ border-color:rgb(0, 230, 69) }
```

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, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 230, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 230, 69);  
box-shadow:4px 4px 4px 4px rgb(0, 230, 69)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.3710, 57.0233, 15.0888 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, 69) }
```

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

```
.background{ background-color: rgb(0, 230,  
69) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor