

Converting Colors

XYZ(29.3402, 58.3603, 10.7666)

Have a look what the booklet for
XYZ(29.3402, 58.3603, 10.7666)
contains.

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Color

**XYZ(29.3367, 58.3570,
10.7547)**

Conversions

Conversions Part 1

Format	Color
Hex	00E91B
RGB	0, 233, 27
RGB Percent	0%, 91%, 11%
CMY	1.0000, 0.0863, 0.8941
CMYK	1.00, 0.00, 0.88, 0.09
HSL	127°, 100%, 46%
HSV	127°, 100%, 91%
XYZ	29.3367, 58.3570, 10.7547
YIQ	139.8490, -72.7420, -113.4620

Conversions

Conversions Part 2

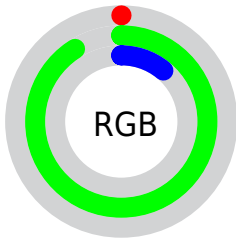
Format	Color
RYB	0, 209, 233
Decimal	59675
CIELab	80.94, -79.93, 74.68
CIELCh	81, 109.388, 136.943
Yxy	58.3570, 0.2980, 0.5928
Android (android.graphics.Color)	4278249755 (0xFF00E91B)
YUV	139.8490, -55.6346, -122.6476
Hunter-Lab	76.3918, -65.1363, 45.1272

Details

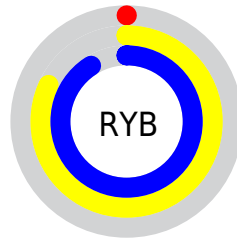
The XYZ color **29.3367, 58.3570, 10.7547** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **44.7450, 21.7801, 60.2316**, and the grayscale version is **25.0998, 26.4069, 28.7571**.

A 20% lighter version of the original color is **44.6814, 75.8752, 23.3568**, and **15.3300, 30.6599, 5.1100** is the 20% darker color. If you saturate the color by 10%, you get **29.3381, 58.3595, 10.7560**, and if you desaturate by 10%, it is **30.0260, 58.6762, 12.4978**.

Distribution



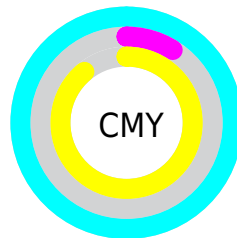
- Red (0%)
- Green (91%)
- Blue (11%)



- Red (0%)
- Yellow (82%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (88%)
- Black (9%)





- Cyan (100%)
- Magenta (9%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.3367, 58.3570, 10.7547 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 29.3367, 58.3570, 10.7547 by changing the saturation by 10% instead.


 29.3367, 58.3570,
10.7547


 29.3367, 58.3570,
10.7547


290.7659,
418.5149, 206.6535


 19.4812, 42.0957,
5.7900


 58.0055, 102.4426,
27.8353

 12.1246, 29.1763,
2.6511


 77.5495, 131.0356,
40.7884


 6.9014, 19.2142,
0.9187


 101.0537,
164.5081, 57.2414

 3.4463, 11.8252,
0.0000

 128.8836,
203.2443, 77.6128

 1.3939, 6.6247,
0.0000

 161.4044,
247.6287, 102.3212

 0.2519, 3.2285,
0.0000

 198.9815,

 0.0000, 1.2522,

298.0457, 131.7850

0.0000

241.9802,
354.8796, 166.4230

■ 0.0000, 0.1037,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.3367, 58.3570,
10.7547

■ 29.3367, 58.3570,
10.7547


■ 29.3381, 58.3595,
10.7560


■ 30.0260, 58.6762,
12.4978


■ 31.3440, 59.2951,
15.2960


■ 33.4541, 60.2968,
19.2850


■ 36.4572, 61.7309,
24.5779

 40.4394, 63.6397,
31.2747

 45.4763, 66.0602,
39.4657

 51.6360, 69.0259,
49.2336

 58.9810, 72.5672,
60.6550

 67.5691, 76.7124,
73.8015

Harmonies

Analogous

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



43.7154, 58.3570, 3.3217



29.3367, 58.3570, 10.7547



22.9323, 58.3570, 39.3167

Triad

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



29.3367, 58.3570, 10.7547



46.1953, 58.3570, 279.0335



108.4464, 58.3570, 33.6768

Complementary

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



29.3367, 58.3570, 10.7547



44.7450, 21.7801, 60.2316

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.



109.6462, 58.3570, 96.1007



29.3367, 58.3570, 10.7547



69.1548, 58.3570, 273.2032

Square

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



29.3367, 58.3570, 10.7547



30.7240, 58.3570, 205.2450



93.7741, 58.3570, 192.4497



90.8411, 58.3570, 9.0263

Rectangle

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



29.3367, 58.3570, 10.7547



22.4874, 58.3570, 79.8465



93.7741, 58.3570, 192.4497



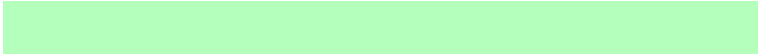
110.9220, 58.3570, 49.6215

Sweetspot

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



29.3381, 58.3595, 10.7560



63.2443, 84.6479, 60.2267



55.6342, 71.9385, 10.9533



12.8162, 17.7710, 11.7547



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.



29.3381, 58.3595, 10.7560



35.9888, 71.6115, 13.1250



33.8592, 60.1679, 34.5637



14.9393, 16.8906, 16.3634



16.6693, 33.1222, 6.2237



1.3323, 2.6102, 0.6119

Inverse Universe

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



44.7450, 21.7801, 60.2316



54.8901, 26.7200, 73.8103



35.5904, 18.1183, 12.0242



15.6352, 15.2819, 18.6304



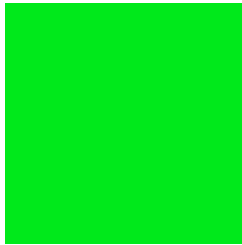
25.4181, 12.3699, 34.3327



2.0173, 0.9799, 2.8084

Previews

White Background



This preview shows how the XYZ color 29.3367, 58.3570, 10.7547 looks on a white background.

Color Contrast Check

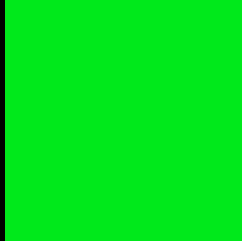
Large Text (above 18pt) WCAG AA × Fail

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 29.3367, 58.3570, 10.7547 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

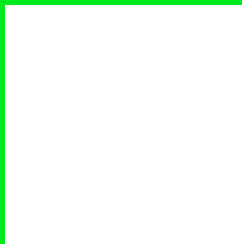
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.3367, 58.3570, 10.7547

Background



This preview shows how black text looks on a background with the XYZ color 29.3367, 58.3570, 10.7547.



This preview shows how white text looks on a background with the XYZ color 29.3367, 58.3570,

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

29.3367, 58.3570, 10.7547

Protanopia

51.7783, 57.3452, 8.7205

Deuteranopia

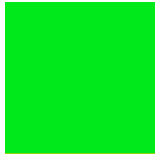
58.3357, 57.0047, 11.6698



Tritanopia

44.5939, 58.1076, 86.7074

Trichromacy



Original Color

29.3367, 58.3570, 10.7547



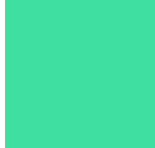
Protanomaly

34.9804, 52.9703, 8.9529



Deuteranomaly

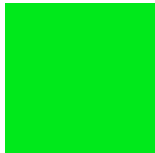
36.6031, 51.2230, 10.4405



Tritanomaly

34.6323, 56.3027, 41.8431

Monochromacy



Original Color

29.3367, 58.3570, 10.7547



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

21.5080, 33.2968, 17.0977

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3367, 58.3570, 10.7547 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, 233, 27)` looks like.

```
.text, #text, p{  
    color:rgb(0, 233, 27)  
}
```

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, 233, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 233, 27) }
```

Border

The CSS property to change the border of an element to XYZ 29.3367, 58.3570, 10.7547 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, 233, 27) }
```


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

```
.border{ border-color:rgb(0, 233, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 233, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 233, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 233, 27);  
box-shadow:4px 4px 4px 4px rgb(0, 233, 27)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.3367, 58.3570, 10.7547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 233, 27) }
```

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

```
.background{ background-color: rgb(0, 233,  
27) }
```

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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