

Converting Colors

XYZ(30.3402, 60.6618, 10.1098)

Have a look what the booklet for
XYZ(30.3402, 60.6618, 10.1098)
contains.

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Color

**XYZ(30.2967, 60.5748,
10.0953)**

Conversions

Conversions Part 1

Format	Color
Hex	01ED00
RGB	1, 237, 0
RGB Percent	0%, 93%, 0%
CMY	0.9961, 0.0706, 0.9999
CMYK	1.00, 0.00, 1.00, 0.07
HSL	120°, 100%, 46%
HSV	120°, 100%, 93%
XYZ	30.2967, 60.5748, 10.0953
YIQ	139.4180, -64.5790, -123.7390

Conversions

Conversions Part 2

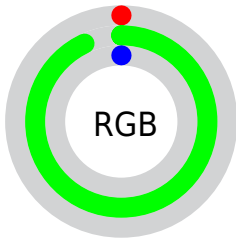
Format	Color
RYB	0, 237, 236
Decimal	126208
CIELab	82.15, -81.51, 78.70
CIELCh	82, 113.303, 136.003
Yxy	60.5748, 0.3001, 0.5999
Android (android.graphics.Color)	4278316288 (0xFF01ED00)
YUV	139.4180, -68.7331, -121.3926
Hunter-Lab	77.8298, -66.7177, 46.7904

Details

The XYZ color **30.2967, 60.5748, 10.0953** 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 **49.8910, 23.9544, 82.1181**, and the grayscale version is **24.9799, 26.2808, 28.6198**.

A 20% lighter version of the original color is **44.5917, 75.8694, 21.5266**, and **16.1201, 32.2402, 5.3734** is the 20% darker color. If you saturate the color by 10%, you get **30.2975, 60.5770, 10.0957**, and if you desaturate by 10%, it is **30.8387, 60.8373, 10.9671**.

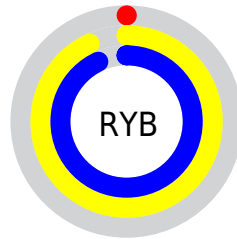
Distribution



Red (0%)

Green (93%)

Blue (0%)



Red (0%)

Yellow (93%)

Blue (93%)

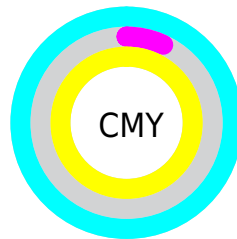


Cyan (100%)

Magenta (0%)

Yellow (100%)

Black (7%)



Cyan (100%)

Magenta (7%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.2967, 60.5748, 10.0953 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 30.2967, 60.5748, 10.0953 by changing the saturation by 10% instead.


 30.2967, 60.5748,
10.0953


 30.2967, 60.5748,
10.0953


295.1701,
426.7132, 201.8604


 20.2131, 43.8821,
5.3558


 59.5145, 105.6630,
26.5852

 12.6592, 30.5778,
2.3951


 79.3794, 134.8274,
39.1727

 7.2697, 20.2776,
0.7838


 103.2354,
168.9177, 55.2132

 3.6791, 12.5970,
0.0000

 131.4479,
208.3184, 75.1253

 1.5223, 7.1516,
0.0000

 164.3823,
253.4140, 99.3275

 0.3409, 3.5571,
0.0000

 202.4039,

 0.0000, 1.4290,

304.5887, 128.2384

0.0000

245.8780,
362.2270, 162.2765

■ 0.0000, 0.2380,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.2967, 60.5748,
10.0953

■ 30.2967, 60.5748,
10.0953

■ 30.2975, 60.5770,
10.0957

■ 30.8387, 60.8373,
10.9671

■ 32.0360, 61.4130,
12.9009

■ 34.0855, 62.3979,
16.2314

■ 37.1060, 63.8492,
21.1555

■ 41.1977, 65.8148,
27.8389

■ 46.4480, 68.3369,
36.4262

■ 52.9358, 71.4531,
47.0473

■ 60.7326, 75.1978,
59.8207

■ 69.9049, 79.6030,
74.8556

Harmonies

Analogous

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



45.7399, 60.5748, 2.9858



30.2967, 60.5748, 10.0953



23.3432, 60.5748, 38.8216

Triad

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



30.2967, 60.5748, 10.0953



47.0951, 60.5748, 296.1017



114.4701, 60.5748, 35.7589

Complementary

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



30.2967, 60.5748, 10.0953



49.8910, 23.9544, 82.1181

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.



115.1342, 60.5748, 103.4680



30.2967, 60.5748, 10.0953



71.2924, 60.5748, 292.8464

Square

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



30.2967, 60.5748, 10.0953



31.0494, 60.5748, 214.5335



97.6750, 60.5748, 207.4129



96.0549, 60.5748, 9.1855

Rectangle

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



30.2967, 60.5748, 10.0953



22.7351, 60.5748, 80.8038



97.6750, 60.5748, 207.4129



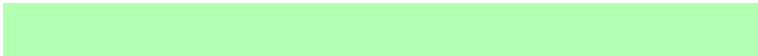
116.9208, 60.5748, 53.0479

Sweetspot

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



30.2981, 60.5773, 10.0967



62.3933, 84.3159, 55.3693



64.0810, 76.3141, 11.3536



12.6231, 17.6957, 10.6534



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.



30.2981, 60.5773, 10.0967



35.7730, 71.5267, 11.9206



33.3556, 61.7989, 26.2603



14.8741, 16.8651, 15.9901



16.5433, 33.0729, 5.5118



1.3011, 2.5981, 0.4329

Inverse Universe

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



49.8910, 23.9544, 82.1181



58.9077, 28.2829, 96.9621



38.4687, 19.4227, 20.2862



15.7084, 15.3105, 19.0495



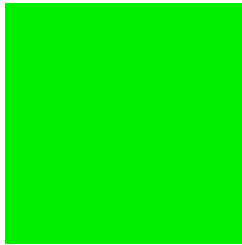
27.2403, 13.0788, 44.8317



2.1410, 1.0280, 3.5205

Previews

White Background



This preview shows how the XYZ color 30.2967, 60.5748, 10.0953 looks on a white background.

Color Contrast Check

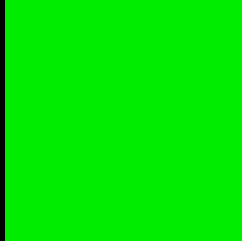
Large Text (above 18pt) WCAG AA × Fail

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 30.2967, 60.5748, 10.0953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

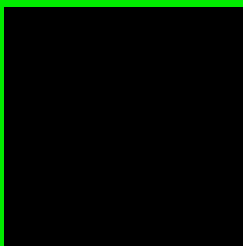
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

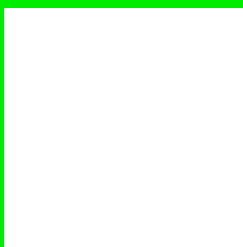
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.2967, 60.5748, 10.0953

Background



This preview shows how black text looks on a background with the XYZ color 30.2967, 60.5748, 10.0953.



This preview shows how white text looks on a background with the XYZ color 30.2967, 60.5748,

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

30.2967, 60.5748, 10.0953

Protanopia

53.3508, 59.2059, 8.6160

Deuteranopia

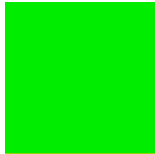
60.3202, 59.0091, 11.3426



Tritanopia

46.1714, 60.0121, 90.0389

Trichromacy



Original Color

30.2967, 60.5748, 10.0953



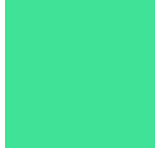
Protanomaly

35.9775, 54.6206, 8.6466



Deuteranomaly

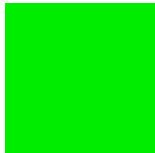
37.7169, 52.8974, 9.5888



Tritanomaly

34.8322, 57.6838, 38.5764

Monochromacy



Original Color

30.2967, 60.5748, 10.0953



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

21.2112, 33.4884, 14.5785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2967, 60.5748, 10.0953 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(1, 237, 0)` looks like.

```
.text, #text, p{  
    color:rgb(1, 237, 0)  
}
```

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(1, 237, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 237, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.2967, 60.5748, 10.0953 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(1, 237, 0) }
```


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

```
.border{ border-color:rgb(1, 237, 0) }
```

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

Here you see how a box with a 4 pixel rgb(1, 237, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 237, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 237, 0); box-shadow:4px  
4px 4px 4px rgb(1, 237, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2967, 60.5748, 10.0953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 237, 0) }
```

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

```
.background{ background-color: rgb(1, 237,  
0) }
```

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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