

Converting Colors

XYZ(33.5245, 66.8165, 11.1300)

Have a look what the booklet for
XYZ(33.5245, 66.8165, 11.1300)
contains.

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Color

**XYZ(33.4124, 66.5997,
11.0940)**

Conversions

Conversions Part 1

Format	Color
Hex	0CF700
RGB	12, 247, 0
RGB Percent	5%, 97%, 0%
CMY	0.9529, 0.0314, 0.9999
CMYK	0.95, 0.00, 1.00, 0.03
HSL	117°, 100%, 48%
HSV	117°, 100%, 97%
XYZ	33.4124, 66.5997, 11.0940
YIQ	148.5770, -60.7730, -126.6370

Conversions

Conversions Part 2

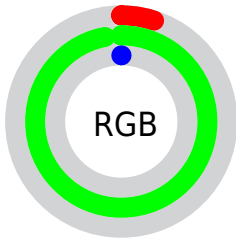
Format	Color
RYB	0, 247, 235
Decimal	849664
CIELab	85.30, -83.76, 81.24
CIELCh	85, 116.693, 135.875
Yxy	66.5997, 0.3007, 0.5994
Android (android.graphics.Color)	4279039744 (0xFF0CF700)
YUV	148.5770, -73.2485, -119.7780
Hunter-Lab	81.6086, -69.7332, 49.0661

Details

The XYZ color **33.4124, 66.5997, 11.0940** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **51.0634, 24.3853, 90.0147**, and the grayscale version is **28.7086, 30.2037, 32.8918**.

A 20% lighter version of the original color is **45.3941, 76.2684, 22.2263**, and **18.1976, 36.3952, 6.0659** is the 20% darker color. If you saturate the color by 10%, you get **33.4133, 66.6021, 11.0944**, and if you desaturate by 10%, it is **34.1451, 66.9595, 12.0297**.

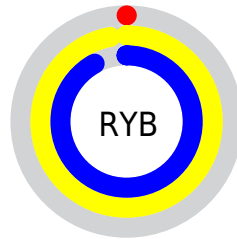
Distribution



Red (5%)

Green (97%)

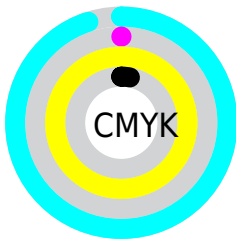
Blue (0%)



Red (0%)

Yellow (97%)

Blue (92%)

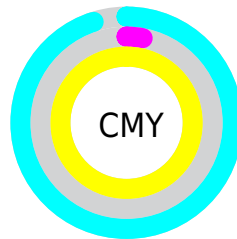


Cyan (95%)

Magenta (0%)

Yellow (100%)

Black (3%)



Cyan (95%)


Magenta (3%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4124, 66.5997, 11.0940 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 33.4124, 66.5997, 11.0940 by changing the saturation by 10% instead.


 33.4124, 66.5997,
11.0940

 33.4124, 66.5997,
11.0940


309.1362,
448.5186, 209.0718


 22.6033, 48.7594,
6.0151


 64.3692, 114.3466,
28.4732


 14.4199, 34.4286,
2.7853


 85.2477, 145.0220,
41.6105

 8.4970, 23.2231,
0.9861


 110.2133,
180.7446, 58.2711

 4.4690, 14.7583,
0.0000

 139.6314,
221.8987, 78.8736

 1.9707, 8.6499,
0.0000

 173.8674,
268.8688, 103.8363

 0.6175, 4.5136,
0.0000

 213.2866,

 0.0000, 1.9648,

322.0392, 133.5779

0.0000

258.2544,
381.7943, 168.5169

■ 0.0000, 0.5869,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.4124, 66.5997,
11.0940

■ 33.4124, 66.5997,
11.0940

■ 33.4133, 66.6021,
11.0944

■ 34.1451, 66.9595,
12.0297

■ 35.6299, 67.6797,
14.1399

■ 38.0272, 68.8374,
17.7855

■ 41.4523, 70.4871,
23.1843

■ 46.0035, 72.6757,
30.5192

■ 51.7676, 75.4445,
39.9499

■ 58.8230, 78.8307,
51.6198

■ 67.2413, 82.8685,
65.6595

■ 77.0890, 87.5895,
82.1897

Harmonies

Analogous

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



50.4088, 66.5997, 3.3093



33.4124, 66.5997, 11.0940



25.7376, 66.5997, 42.5139

Triad

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



33.4124, 66.5997, 11.0940



51.7058, 66.5997, 324.5209



125.7406, 66.5997, 39.5811

Complementary

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



33.4124, 66.5997, 11.0940



51.0634, 24.3853, 90.0147

Split Complementary

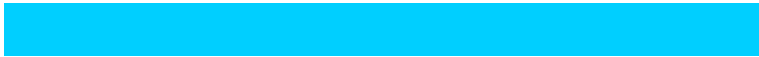
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



126.3755, 66.5997, 114.0847



33.4124, 66.5997, 11.0940



78.2229, 66.5997, 321.4114

Square

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



33.4124, 66.5997, 11.0940



34.1332, 66.5997, 234.8868



107.1670, 66.5997, 228.0832



105.6180, 66.5997, 10.2203

Rectangle

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



33.4124, 66.5997, 11.0940



25.0480, 66.5997, 88.4335



107.1670, 66.5997, 228.0832



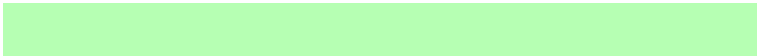
128.3964, 66.5997, 58.6328

Sweetspot

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



33.4139, 66.6025, 11.0955



63.1864, 84.7247, 55.4064



67.9694, 78.9949, 11.6662



12.8023, 17.7880, 10.6618



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.



33.4139, 66.6025, 11.0955



35.9166, 71.6007, 11.9273



36.1413, 67.6759, 26.2465



16.3565, 18.5103, 17.5083



17.7034, 35.2392, 5.8688



1.5816, 3.1104, 0.5170

Inverse Universe

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



51.0634, 24.3853, 90.0147



54.8899, 26.2117, 96.7741



42.7943, 21.5496, 25.1476



17.1296, 16.7250, 20.8680



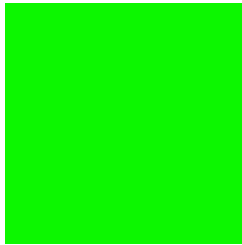
27.0402, 12.9141, 47.6055



2.4006, 1.1474, 4.1852

Previews

White Background



This preview shows how the XYZ color 33.4124, 66.5997, 11.0940 looks on a white background.

Color Contrast Check

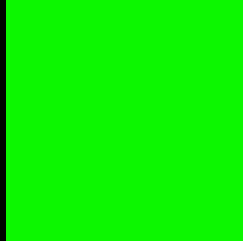
Large Text (above 18pt) WCAG AA × Fail

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 33.4124, 66.5997, 11.0940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

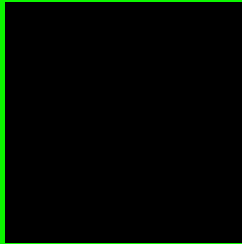
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.4124, 66.5997, 11.0940

Background



This preview shows how black text looks on a background with the XYZ color 33.4124, 66.5997, 11.0940.



This preview shows how white text looks on a background with the XYZ color 33.4124, 66.5997,

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

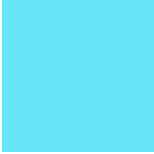
33.4124, 66.5997, 11.0940

Protanopia

58.8034, 65.2641, 9.4980

Deuteranopia

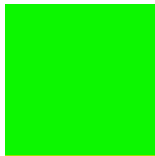
65.2852, 64.6709, 24.3711



Tritanopia

50.9490, 66.3140, 98.9215

Trichromacy



Original Color

33.4124, 66.5997, 11.0940



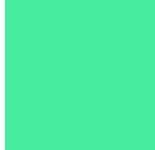
Protanomaly

40.6355, 60.9183, 9.6167



Deuteranomaly

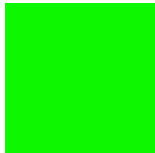
42.1451, 58.8132, 15.0920



Tritanomaly

38.7655, 63.7991, 42.6191

Monochromacy



Original Color

33.4124, 66.5997, 11.0940



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

24.5601, 38.1768, 16.9009

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4124, 66.5997, 11.0940 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(12, 247, 0)` looks like.

```
.text, #text, p{  
    color:rgb(12, 247, 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(12, 247, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 247, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.4124, 66.5997, 11.0940 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(12, 247, 0) }
```


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

```
.border{ border-color:rgb(12, 247, 0) }
```

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

Here you see how a box with a 4 pixel rgb(12, 247, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 247, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 247, 0);  
box-shadow:4px 4px 4px 4px rgb(12, 247, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.4124, 66.5997, 11.0940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 247, 0) }
```

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

```
.background{ background-color: rgb(12, 247,  
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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