

Converting Colors

XYZ(34.7829, 66.0070, 10.8387)

Have a look what the booklet for
XYZ(34.7829, 66.0070, 10.8387)
contains.

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Color

**XYZ(34.7346, 65.9303,
10.8951)**

Conversions

Conversions Part 1

Format	Color
Hex	44F400
RGB	68, 244, 0
RGB Percent	27%, 96%, 0%
CMY	0.7333, 0.0431, 0.9999
CMYK	0.72, 0.00, 1.00, 0.04
HSL	103°, 100%, 48%
HSV	103°, 100%, 96%
XYZ	34.7346, 65.9303, 10.8951
YIQ	163.5600, -26.5720, -113.1960

Conversions

Conversions Part 2

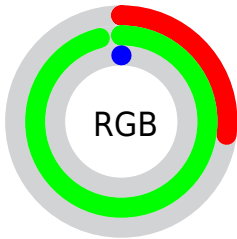
Format	Color
RYB	0, 244, 176
Decimal	4518912
CIELab	84.96, -77.70, 81.22
CIELCh	85, 112.402, 133.732
Yxy	65.9303, 0.3114, 0.5910
Android (android.graphics.Color)	4282708992 (0xFF44F400)
YUV	163.5600, -80.6351, -83.8061
Hunter-Lab	81.1975, -65.7370, 48.8827

Details

The XYZ color **34.7346, 65.9303, 10.8951** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated green. A complement of this color would be **34.2435, 15.7673, 86.8300**, and the grayscale version is **35.4608, 37.3075, 40.6278**.

A 20% lighter version of the original color is **48.7608, 78.0090, 22.1601**, and **17.5589, 35.1178, 5.8530** is the 20% darker color. If you saturate the color by 10%, you get **34.7342, 65.9321, 10.8955**, and if you desaturate by 10%, it is **36.3228, 66.7315, 11.8541**.

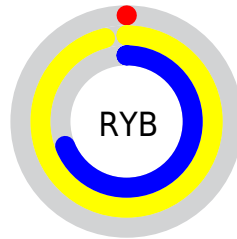
Distribution



Red (27%)

Green (96%)

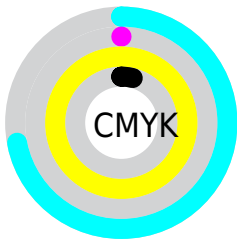
Blue (0%)



Red (0%)

Yellow (96%)

Blue (69%)

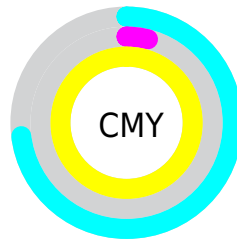


Cyan (72%)

Magenta (0%)

Yellow (100%)

Black (4%)



Cyan (73%)


Magenta (4%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7346, 65.9303, 10.8951 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 34.7346, 65.9303, 10.8951 by changing the saturation by 10% instead.


 34.7346, 65.9303,
10.8951


 34.7346, 65.9303,
10.8951


314.9239,
446.1276, 207.6580


 23.6241, 48.2158,
5.8831


 66.4112, 113.3863,
28.0997

 15.1782, 33.9978,
2.7065


 87.7079, 143.8966,
41.1293


 9.0317, 22.8919,
0.9467


 113.1307,
179.4410, 57.6686

 4.8191, 14.5137,
0.0000

 143.0450,
220.4038, 78.1360

 2.1752, 8.4788,
0.0000

 177.8161,
267.1695, 102.9501

 0.7296, 4.4028,
0.0000

 217.8094,

 0.0000, 1.9014,

320.1224, 132.5295

0.0000

263.3902,
379.6470, 167.2926

■ 0.0000, 0.5492,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.7346, 65.9303,
10.8951

■ 34.7346, 65.9303,
10.8951

■ 34.7342, 65.9321,
10.8955

■ 36.3228, 66.7315,
11.8541

■ 38.5201, 67.8202,
13.9480

■ 41.4209, 69.2394,
17.5259

■ 45.0890, 71.0175,
22.7968

■ 49.5804, 73.1795,
29.9363

■ 54.9450, 75.7478,
39.0978

■ 61.2287, 78.7431,
50.4190

■ 68.4740, 82.1846,
64.0254

■ 76.7205, 86.0900,
80.0330

Harmonies

Analogous

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



51.8305, 65.9303, 3.7173



34.7346, 65.9303, 10.8951



26.6542, 65.9303, 39.4527

Triad

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



34.7346, 65.9303, 10.8951



50.0230, 65.9303, 305.1321



122.6589, 65.9303, 43.5771

Complementary

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



34.7346, 65.9303, 10.8951



34.2435, 15.7673, 86.8300

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.



121.7907, 65.9303, 118.2143



34.7346, 65.9303, 10.8951



74.9126, 65.9303, 309.3308

Square

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



34.7346, 65.9303, 10.8951



33.7193, 65.9303, 217.2173



102.5819, 65.9303, 226.4490



104.7070, 65.9303, 12.1808

Rectangle

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



34.7346, 65.9303, 10.8951



25.6264, 65.9303, 81.2245



102.5819, 65.9303, 226.4490



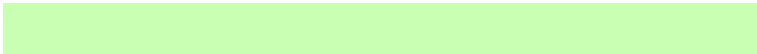
124.6806, 65.9303, 63.1102

Sweetspot

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



34.7361, 65.9331, 10.8966



67.6153, 87.0079, 55.6137



52.6165, 49.8471, 6.8493



13.8178, 18.3115, 10.7093



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.



34.7361, 65.9331, 10.8966



38.3613, 72.8610, 12.0417



32.9926, 64.9603, 14.1552



16.7155, 18.6954, 17.5251



18.9994, 35.9073, 5.9294



1.7656, 3.2052, 0.5256

Inverse Universe

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



34.2435, 15.7673, 86.8300



37.8080, 17.4056, 95.9747



46.7300, 23.0026, 51.3505



16.7373, 16.5227, 20.8496



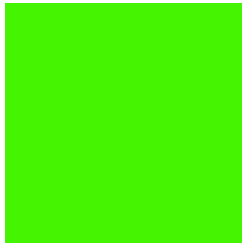
18.7570, 8.6439, 47.2179



1.7480, 0.8110, 4.1546

Previews

White Background



This preview shows how the XYZ color 34.7346, 65.9303, 10.8951 looks on a white background.

Color Contrast Check

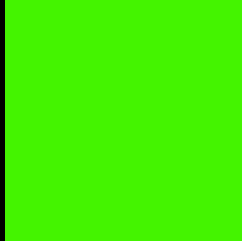
Large Text (above 18pt) WCAG AA × Fail

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 34.7346, 65.9303, 10.8951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

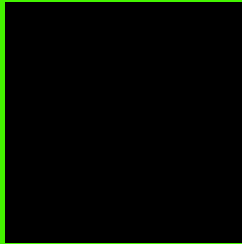
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.7346, 65.9303, 10.8951

Background



This preview shows how black text looks on a background with the XYZ color 34.7346, 65.9303, 10.8951.

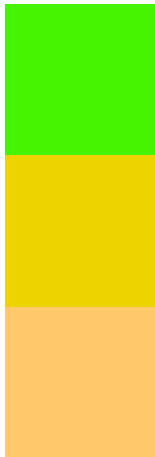


This preview shows how white text looks on a background with the XYZ color 34.7346, 65.9303,

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

34.7346, 65.9303, 10.8951

Protanopia

58.2193, 64.5931, 9.3992

Deuteranopia

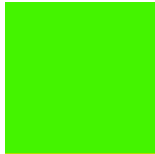
64.7805, 64.0948, 22.8672



Tritanopia

51.6962, 65.5238, 96.3089

Trichromacy



Original Color

34.7346, 65.9303, 10.8951



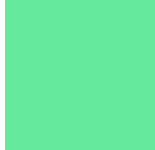
Protanomaly

44.2922, 62.0055, 9.6338



Deuteranomaly

46.3498, 60.6079, 14.7244



Tritanomaly

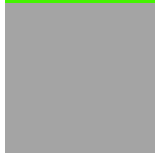
40.5065, 63.4448, 41.5637

Monochromacy



Original Color

34.7346, 65.9303, 10.8951



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

30.6219, 43.8065, 19.9383

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7346, 65.9303, 10.8951 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(68, 244, 0)` looks like.

```
.text, #text, p{  
    color:rgb(68, 244, 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(68, 244, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 244, 0) }
```

Border

The CSS property to change the border of an element to XYZ 34.7346, 65.9303, 10.8951 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(68, 244, 0) }
```


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

```
.border{ border-color:rgb(68, 244, 0) }
```

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

Here you see how a box with a 4 pixel rgb(68, 244, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 244, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 244, 0);  
box-shadow:4px 4px 4px 4px rgb(68, 244, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.7346, 65.9303, 10.8951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 244, 0) }
```

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

```
.background{ background-color: rgb(68, 244,  
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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