

Converting Colors

XYZ(34.3635, 66.7442, 16.5853)

Have a look what the booklet for
XYZ(34.3635, 66.7442, 16.5853)
contains.

XYZ(34.5012, 67.0404, 16.5905)	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(34.5012, 67.0404,
16.5905)**

Conversions

Conversions Part 1

Format	Color
Hex	0FF744
RGB	15, 247, 68
RGB Percent	6%, 97%, 27%
CMY	0.9411, 0.0314, 0.7333
CMYK	0.94, 0.00, 0.72, 0.03
HSL	134°, 94%, 51%
HSV	134°, 94%, 97%
XYZ	34.5012, 67.0404, 16.5905
YIQ	157.2260, -80.8130, -104.8530

Conversions

Conversions Part 2

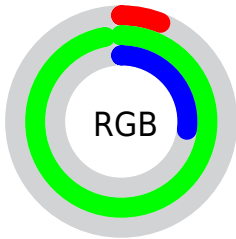
Format	Color
R _Y B	15, 204, 247
Decimal	1046340
CIE Lab	85.52, -80.93, 68.22
CIE LCh	86, 105.849, 139.872
Yxy	67.0404, 0.2921, 0.5675
Android (android.graphics.Color)	4279236420 (0xFF0FF744)
YUV	157.2260, -43.9884, -124.7322
Hunter-Lab	81.8782, -68.0719, 45.3012

Details

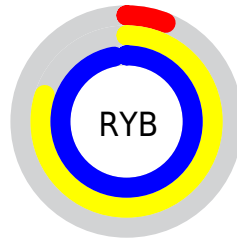
The XYZ color **34.5012, 67.0404, 16.5905** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **48.2686, 24.0122, 53.1339**, and the grayscale version is **32.3703, 34.0561, 37.0871**.

A 20% lighter version of the original color is **46.9971, 76.8779, 32.1006**, and **18.1976, 36.3952, 6.0659** is the 20% darker color. If you saturate the color by 10%, you get **33.9863, 66.8138, 14.9013**, and if you desaturate by 10%, it is **35.8488, 67.6586, 20.2006**.

Distribution



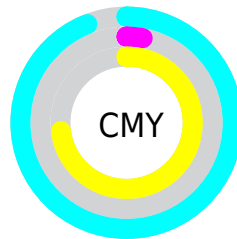
- Red (6%)
- Green (97%)
- Blue (27%)



- Red (6%)
- Yellow (80%)
- Blue (97%)



- Cyan (94%)
- Magenta (0%)
- Yellow (72%)
- Black (3%)




- Cyan (94%)
- Magenta (3%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5012, 67.0404, 16.5905 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 34.5012, 67.0404, 16.5905 by changing the saturation by 10% instead.


 34.5012, 67.0404,
16.5905


 34.5012, 67.0404,
16.5905


313.9079,
450.0886, 244.7649


 23.4436, 49.1175,
9.7841


 66.0514, 114.9783,
38.4013


 15.0439, 34.7127,
5.1523


 87.2748, 145.7620,
54.2428


 8.9367, 23.4416,
2.2766


 112.6175,
181.6015, 73.9330

 4.7567, 14.9199,
0.7181

 142.4448,
222.8811, 97.8906

 2.1385, 8.7632,
0.0000

 177.1222,
269.9852, 126.5341

 0.7100, 4.5871,
0.0000

217.0149,

 0.0000, 2.0071,

323.2982, 160.2819

0.0000

262.4883,
383.2045, 199.5527

■ 0.0000, 0.6116,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.5012, 67.0404,
16.5905

■ 34.5012, 67.0404,
16.5905


■ 33.9863, 66.8138,
14.9013


■ 35.8488, 67.6586,
20.2006

■ 38.0110, 68.6710,
24.9204


■ 41.1057, 70.1387,
30.8340


■ 45.2292, 72.1097,
38.0157

 50.4655, 74.6260,
46.5338

 56.8898, 77.7250,
56.4517

 64.5705, 81.4407,
67.8287

 73.5709, 85.8046,
80.7207

 83.9497, 90.8457,
95.1805

Harmonies

Analogous

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



49.2593, 67.0404, 5.8565



34.5012, 67.0404, 16.5905



28.1802, 67.0404, 52.0980

Triad

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



34.5012, 67.0404, 16.5905



55.9300, 67.0404, 296.3548



117.8469, 67.0404, 36.6007

Complementary

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



34.5012, 67.0404, 16.5905



48.2686, 24.0122, 53.1339

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.



120.9364, 67.0404, 98.8454



34.5012, 67.0404, 16.5905



80.7651, 67.0404, 281.7840

Square

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



34.5012, 67.0404, 16.5905



38.3238, 67.0404, 228.2780



106.0158, 67.0404, 195.9248



98.4073, 67.0404, 11.3438

Rectangle

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



34.5012, 67.0404, 16.5905



28.1594, 67.0404, 98.1348



106.0158, 67.0404, 195.9248



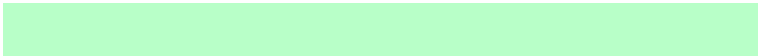
120.9914, 67.0404, 52.5641

Sweetspot

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



34.5028, 67.0432, 16.5920



65.8464, 85.8270, 67.6847



56.3059, 78.3937, 12.6161



13.3465, 18.0091, 13.3748



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.



34.5028, 67.0432, 16.5920



36.5302, 71.8281, 15.9756



41.8277, 69.9731, 55.1643



16.4373, 18.5340, 18.3209



18.0179, 35.3520, 8.1140



1.6213, 3.1222, 0.9116

Inverse Universe

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



48.2686, 24.0122, 53.1339



51.2891, 25.2797, 54.8480



40.0057, 20.7070, 9.6221



17.0422, 16.6997, 19.9687



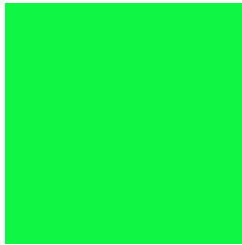
25.2916, 12.4601, 27.3078



2.2615, 1.1106, 2.6033

Previews

White Background



This preview shows how the XYZ color 34.5012, 67.0404, 16.5905 looks on a white background.

Color Contrast Check

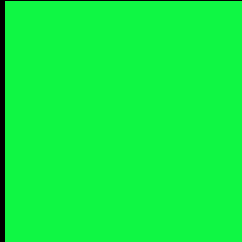
Large Text (above 18pt) WCAG AA × Fail

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 34.5012, 67.0404, 16.5905 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 34.5012, 67.0404, 16.5905

Background



This preview shows how black text looks on a background with the XYZ color 34.5012, 67.0404, 16.5905.

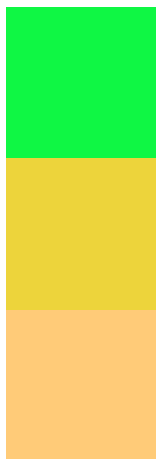


This preview shows how white text looks on a background with the XYZ color 34.5012, 67.0404,

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

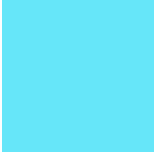
34.5012, 67.0404, 16.5905

Protanopia

59.2580, 65.4073, 13.6393

Deuteranopia

65.9861, 65.3279, 26.9010



Tritanopia

50.8752, 66.2580, 99.7302

Trichromacy



Original Color

34.5012, 67.0404, 16.5905



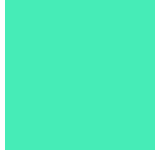
Protanomaly

41.5050, 61.2661, 14.1954



Deuteranomaly

43.8289, 59.9275, 21.5690



Tritanomaly

41.0685, 64.7119, 55.1259

Monochromacy



Original Color

34.5012, 67.0404, 16.5905



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

27.9408, 41.3108, 25.9032

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5012, 67.0404, 16.5905 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(15, 247, 68)` looks like.

```
.text, #text, p{  
    color:rgb(15, 247, 68)  
}
```

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(15, 247, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 247, 68) }
```

Border

The CSS property to change the border of an element to XYZ 34.5012, 67.0404, 16.5905 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(15, 247, 68) }
```


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

```
.border{ border-color:rgb(15, 247, 68) }
```

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

Here you see how a box with a 4 pixel rgb(15, 247, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 247, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 247, 68);  
box-shadow:4px 4px 4px 4px rgb(15, 247,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5012, 67.0404, 16.5905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 247, 68) }
```

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

```
.background{ background-color: rgb(15, 247,  
68) }
```

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