

Converting Colors

XYZ(34.4430, 67.6588, 14.8586)

Have a look what the booklet for
XYZ(34.4430, 67.6588, 14.8586)
contains.

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Color

**XYZ(34.3446, 67.4558,
14.8246)**

Conversions

Conversions Part 1

Format	Color
Hex	07F837
RGB	7, 248, 55
RGB Percent	3%, 97%, 22%
CMY	0.9725, 0.0274, 0.7843
CMYK	0.97, 0.00, 0.78, 0.03
HSL	132°, 95%, 50%
HSV	132°, 97%, 97%
XYZ	34.3446, 67.4558, 14.8246
YIQ	153.9390, -81.6830, -111.1150

Conversions

Conversions Part 2

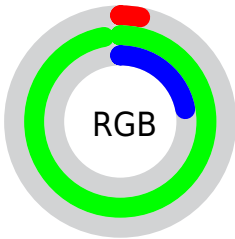
Format	Color
RYB	7, 208, 248
Decimal	522295
CIELab	85.73, -82.38, 72.51
CIELCh	86, 109.745, 138.643
Yxy	67.4558, 0.2945, 0.5784
Android (android.graphics.Color)	4278712375 (0xFF07F837)
YUV	153.9390, -48.7769, -128.8655
Hunter-Lab	82.1315, -69.0874, 46.7903

Details

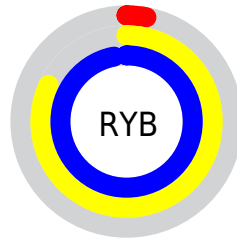
The XYZ color **34.3446, 67.4558, 14.8246** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **49.2139, 24.2792, 56.7341**, and the grayscale version is **30.9231, 32.5335, 35.4290**.

A 20% lighter version of the original color is **46.3836, 76.6325, 28.8699**, and **18.4135, 36.8269, 6.1378** is the 20% darker color. If you saturate the color by 10%, you get **34.1317, 67.3627, 14.1538**, and if you desaturate by 10%, it is **35.4238, 67.9476, 17.8813**.

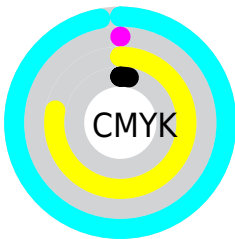
Distribution



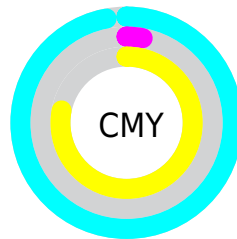
- Red (3%)
- Green (97%)
- Blue (22%)



- Red (3%)
- Yellow (82%)
- Blue (97%)



- Cyan (97%)
- Magenta (0%)
- Yellow (78%)
- Black (3%)





- Cyan (97%)
- Magenta (3%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.3446, 67.4558, 14.8246 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 34.3446, 67.4558, 14.8246 by changing the saturation by 10% instead.


 34.3446, 67.4558,
14.8246


 34.3446, 67.4558,
14.8246


313.2248,
451.5655, 233.9062

 23.3226, 49.4551,
8.5511


 65.8099, 115.5733,
35.2831


 14.9539, 34.9807,
4.3568


 86.9840, 146.4589,
50.3052


 8.8731, 23.6480,
1.8230


 112.2727,
182.4083, 69.0807

 4.7150, 15.0727,
0.4431

 142.0416,
223.8058, 92.0279

 2.1140, 8.8704,
0.0000

 176.6558,
271.0359, 119.5656

 0.6968, 4.6568,
0.0000

216.4809,

 0.0000, 2.0473,

324.4829, 152.1121

0.0000

261.8821,
384.5313, 190.0862

■ 0.0000, 0.6347,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.3446, 67.4558,
14.8246

■ 34.3446, 67.4558,
14.8246

■ 34.1317, 67.3627,
14.1538

■ 35.4238, 67.9476,
17.8813

■ 37.2868, 68.8170,
22.0799

■ 40.0676, 70.1330,
27.5213

■ 43.8713, 71.9479,
34.2941

■ 48.7880, 74.3065,
42.4786

■ 54.8977, 77.2485,
52.1485

■ 62.2732, 80.8099,
63.3726

■ 70.9810, 85.0237,
76.2152

■ 81.0833, 89.9207,
90.7372

Harmonies

Analogous

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



49.9245, 67.4558, 4.9575



34.3446, 67.4558, 14.8246



27.5525, 67.4558, 49.5078

Triad

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



34.3446, 67.4558, 14.8246



55.0951, 67.4558, 308.4780



121.3979, 67.4558, 37.6035

Complementary

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



34.3446, 67.4558, 14.8246



49.2139, 24.2792, 56.7341

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.



123.8375, 67.4558, 104.0774



34.3446, 67.4558, 14.8246



80.7672, 67.4558, 296.8232

Square

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



34.3446, 67.4558, 14.8246



37.2777, 67.4558, 233.1364



107.4603, 67.4558, 207.3882



101.4711, 67.4558, 10.9572

Rectangle

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



34.3446, 67.4558, 14.8246



27.3277, 67.4558, 96.1756



107.4603, 67.4558, 207.3882



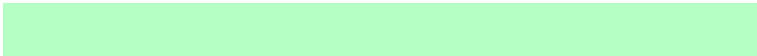
124.4524, 67.4558, 54.6164

Sweetspot

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



34.3462, 67.4586, 14.8261



64.7666, 85.3253, 65.1497



58.4598, 79.9648, 12.5547



13.1318, 17.9101, 12.8361



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.



34.3462, 67.4586, 14.8261



36.3530, 71.7572, 15.0429



41.0727, 70.1492, 50.2476



17.1587, 19.3658, 19.0364



18.4764, 36.4036, 7.8519



1.7470, 3.3859, 0.9155

Inverse Universe

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



49.2139, 24.2792, 56.7341



52.1636, 25.6294, 59.4529



40.3626, 20.7387, 10.1240



17.8361, 17.4618, 20.9929



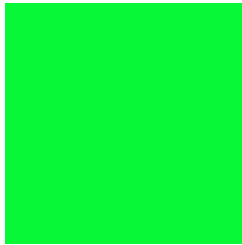
26.5069, 13.0185, 30.4413



2.4914, 1.2203, 3.0110

Previews

White Background



This preview shows how the XYZ color 34.3446, 67.4558, 14.8246 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 34.3446, 67.4558, 14.8246 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

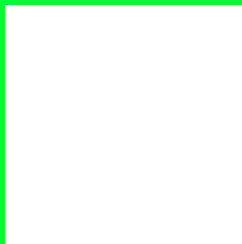
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.3446, 67.4558, 14.8246

Background



This preview shows how black text looks on a background with the XYZ color 34.3446, 67.4558, 14.8246.

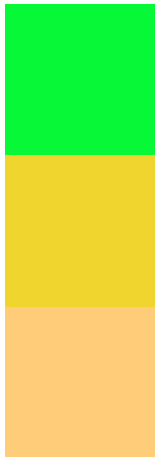


This preview shows how white text looks on a background with the XYZ color 34.3446, 67.4558,

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

34.3446, 67.4558, 14.8246

Protanopia

59.8840, 66.1365, 12.1942

Deuteranopia

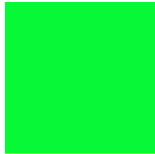
66.2841, 65.8262, 27.3013



Tritanopia

51.4248, 66.9375, 100.6523

Trichromacy



Original Color

34.3446, 67.4558, 14.8246



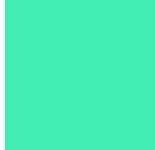
Protanomaly

41.2683, 61.5830, 12.6174



Deuteranomaly

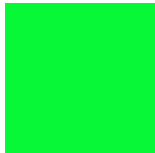
43.2679, 60.0488, 20.6194



Tritanomaly

40.8048, 65.0520, 53.0535

Monochromacy



Original Color

34.3446, 67.4558, 14.8246



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

26.6201, 40.0411, 23.4652

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3446, 67.4558, 14.8246 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(7, 248, 55)` looks like.

```
.text, #text, p{  
    color:rgb(7, 248, 55)  
}
```

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(7, 248, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 248, 55) }
```

Border

The CSS property to change the border of an element to XYZ 34.3446, 67.4558, 14.8246 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(7, 248, 55) }
```


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

```
.border{ border-color:rgb(7, 248, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 248, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 248, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 248, 55);  
box-shadow:4px 4px 4px 4px rgb(7, 248, 55)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.3446, 67.4558, 14.8246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 248, 55) }
```

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

```
.background{ background-color: rgb(7, 248,  
55) }
```

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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