

# Converting Colors

XYZ(34.5352, 64.9152, 11.6876)

Have a look what the booklet for  
XYZ(34.5352, 64.9152, 11.6876)  
contains.

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# Color

**XYZ(34.5371, 64.9184,  
11.6875)**

# Conversions

## Conversions Part 1

Format	Color
Hex	47F21A
RGB	71, 242, 26
RGB Percent	28%, 95%, 10%
CMY	0.7216, 0.0510, 0.8980
CMYK	0.71, 0.00, 0.89, 0.05
HSL	108°, 89%, 53%
HSV	108°, 89%, 95%
XYZ	34.5371, 64.9184, 11.6875
YIQ	166.2470, -32.5800, -103.4280

# Conversions

## Conversions Part 2

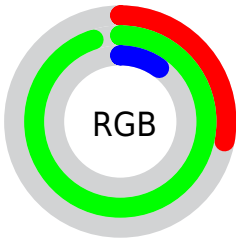
Format	Color
R <sub>Y</sub> B	26, 242, 197
Decimal	4715034
CIE Lab	84.44, -76.14, 78.13
CIE LCh	84, 109.093, 134.264
Yxy	64.9184, 0.3107, 0.5841
Android (android.graphics.Color)	4282905114 (0xFF47F21A)
YUV	166.2470, -69.1418, -83.5316
Hunter-Lab	80.5720, -64.4870, 47.8000

# Details

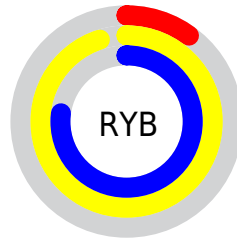
The XYZ color **34.5371, 64.9184, 11.6875** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **39.4291, 19.0239, 85.6017**, and the grayscale version is **36.7031, 38.6145, 42.0512**.

A 20% lighter version of the original color is **49.2923, 78.2415, 24.0594**, and **17.1405, 34.2810, 5.7135** is the 20% darker color. If you saturate the color by 10%, you get **33.1713, 64.2367, 10.7028**, and if you desaturate by 10%, it is **36.5659, 65.9208, 13.8391**.

# Distribution



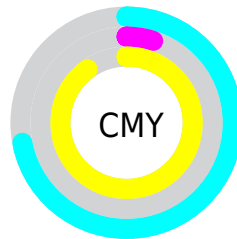
- Red (28%)
- Green (95%)
- Blue (10%)



- Red (10%)
- Yellow (95%)
- Blue (77%)



- Cyan (71%)
- Magenta (0%)
- Yellow (89%)
- Black (5%)



- Cyan (72%)
- Magenta (5%)
- Yellow (90%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5371, 64.9184, 11.6875 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 34.5371, 64.9184, 11.6875 by changing the saturation by 10% instead.



■ 34.5371, 64.9184,  
11.6875

■ 34.5371, 64.9184,  
11.6875

314.0643,  
442.4987, 213.2293

■ 23.4714, 47.3949,  
6.4113

■ 66.1068, 111.9325,  
29.5805

■ 15.0645, 33.3480,  
3.0240

■ 87.3415, 142.1920,  
43.0344

■ 8.9513, 22.3931,  
1.1069

■ 112.6965,  
177.4655, 60.0513

■ 4.7663, 14.1461,  
0.0000

■ 142.5372,  
218.1376, 81.0497

■ 2.1441, 8.2223,  
0.0000

■ 177.2290,  
264.5925, 106.4481

■ 0.7130, 4.2375,  
0.0000

■ 217.1372,

■ 0.0000, 1.8073,

317.2148, 136.6652

0.0000

262.6272,  
376.3887, 172.1194

■ 0.0000, 0.4917,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 34.5371, 64.9184,  
11.6875

■ 34.5371, 64.9184,  
11.6875

■ 33.1713, 64.2367,  
10.7028


■ 36.5659, 65.9208,  
13.8391


■ 33.0887, 64.1952,  
10.6470


■ 39.3498, 67.2785,  
17.4648


■ 42.9620, 69.0270,  
22.7682


■ 47.4652, 71.1949,  
29.9199

 52.9159, 73.8080,  
39.0692

 59.3655, 76.8899,  
50.3504

 66.8619, 80.4626,  
63.8861

 75.4496, 84.5466,  
79.7896

 85.1706, 89.1612,  
98.1665

# Harmonies

## Analogous

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



50.9093, 64.9184, 4.1756



34.5371, 64.9184, 11.6875



26.8155, 64.9184, 40.2925

# Triad

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



34.5371, 64.9184, 11.6875



49.8973, 64.9184, 292.9860



118.8483, 64.9184, 42.6159

# Complementary

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



34.5371, 64.9184, 11.6875



39.4291, 19.0239, 85.6017

# 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.



118.3686, 64.9184, 113.4577



34.5371, 64.9184, 11.6875



73.9237, 64.9184, 295.2851

# Square

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



34.5371, 64.9184, 11.6875



33.9645, 64.9184, 210.9269



100.3204, 64.9184, 215.9993



101.4972, 64.9184, 12.4343



# Rectangle

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



34.5371, 64.9184, 11.6875



25.8972, 64.9184, 81.0891



100.3204, 64.9184, 215.9993



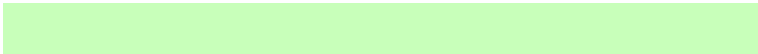
120.8861, 64.9184, 61.2114

# Sweetspot

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



34.5386, 64.9211, 11.6890



68.5891, 87.4184, 59.7964



56.3677, 58.0758, 9.2171



14.1020, 18.4349, 11.7677



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.



34.5386, 64.9211, 11.6890



37.2339, 72.2798, 11.9890



33.9089, 64.4183, 19.7094



15.8735, 17.8149, 16.7517



17.8656, 34.5316, 5.7237



1.5663, 2.9140, 0.4799



# Inverse Universe

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



39.4291, 19.0239, 85.6017



42.3780, 19.7615, 96.1885



45.3100, 22.9459, 45.6538



16.1132, 15.8556, 19.9328



20.3509, 9.4967, 45.8883

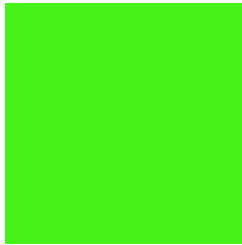


1.7729, 0.8312, 3.8212



# Previews

## White Background



This preview shows how the XYZ color 34.5371, 64.9184, 11.6875 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 34.5371, 64.9184, 11.6875 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 34.5371, 64.9184, 11.6875**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.5371, 64.9184, 11.6875.



This preview shows how white text looks on a background with the XYZ color 34.5371, 64.9184,



# 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

34.5371, 64.9184, 11.6875

### Protanopia

57.1218, 63.2873, 9.5216

### Deuteranopia

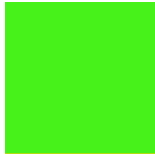
64.1945, 63.4887, 20.9277



## Tritanopia

50.8486, 64.3146, 94.5280

# Trichromacy



## Original Color

34.5371, 64.9184, 11.6875



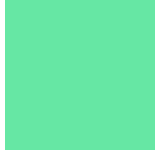
## Protanomaly

43.6292, 60.8643, 9.9387



## Deuteranomaly

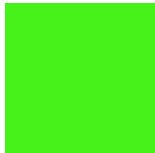
46.2421, 59.7733, 15.4035



## Tritanomaly

40.7562, 62.6569, 45.0679

# Monochromacy



## Original Color

34.5371, 64.9184, 11.6875



## Achromatopsia

36.2450, 38.1326, 41.5264



## Achromatomaly

31.7464, 44.6467, 23.1641

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.5371, 64.9184, 11.6875 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(71, 242, 26)` looks like.

```
.text, #text, p{  
    color:rgb(71, 242, 26)  
}
```

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(71, 242, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 242, 26) }
```

## Border

The CSS property to change the border of an element to XYZ 34.5371, 64.9184, 11.6875 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(71, 242, 26) }
```



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

```
.border{ border-color:rgb(71, 242, 26) }
```

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

Here you see how a box with a 4 pixel rgb(71, 242, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 242, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 242, 26);  
box-shadow:4px 4px 4px 4px rgb(71, 242,  
26) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.5371, 64.9184, 11.6875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 242, 26) }
```

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

```
.background{ background-color: rgb(71, 242,  
26) }
```

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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