

# Converting Colors

XYZ(34.5430, 64.0392, 11.7023)

Have a look what the booklet for  
XYZ(34.5430, 64.0392, 11.7023)  
contains.

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# Color

**XYZ(34.5237, 64.0286,  
11.7016)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4EF01D
RGB	78, 240, 29
RGB Percent	31%, 94%, 11%
CMY	0.6941, 0.0588, 0.8862
CMYK	0.68, 0.00, 0.88, 0.06
HSL	106°, 88%, 53%
HSV	106°, 88%, 94%
XYZ	34.5237, 64.0286, 11.7016
YIQ	167.5080, -28.8210, -99.9650

# Conversions

## Conversions Part 2

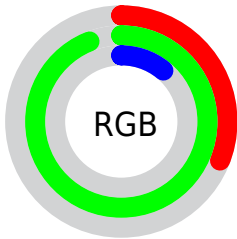
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	29, 240, 191
Decimal	5173277
CIE Lab	83.98, -74.20, 77.29
CIE LCh	84, 107.145, 133.831
Yxy	64.0286, 0.3131, 0.5807
Android (android.graphics.Color)	4283363357 (0xFF4EF01D)
YUV	167.5080, -68.2844, -78.4985
Hunter-Lab	80.0179, -63.0175, 47.3421

# Details

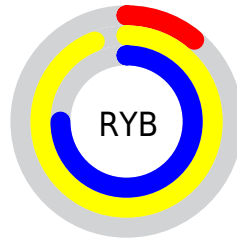
The XYZ color **34.5237, 64.0286, 11.7016** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **37.6598, 18.2502, 83.9794**, and the grayscale version is **37.3143, 39.2575, 42.7514**.

A 20% lighter version of the original color is **50.0448, 78.6239, 24.3427**, and **16.7279, 33.4559, 5.5760** is the 20% darker color. If you saturate the color by 10%, you get **33.0265, 63.2812, 10.6178**, and if you desaturate by 10%, it is **36.6734, 65.0901, 14.0009**.

# Distribution



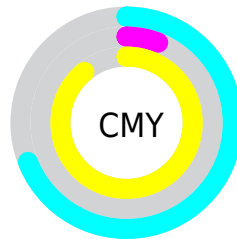
- Red (31%)
- Green (94%)
- Blue (11%)



- Red (11%)
- Yellow (94%)
- Blue (75%)



- Cyan (68%)
- Magenta (0%)
- Yellow (88%)
- Black (6%)



- Cyan (69%)
- Magenta (6%)
- Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5237, 64.0286, 11.7016 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 34.5237, 64.0286, 11.7016 by changing the saturation by 10% instead.



34.5237, 64.0286,  
11.7016

34.5237, 64.0286,  
11.7016

314.0059,  
439.2929, 213.3270

23.4610, 46.6738,  
6.4208

66.0861, 110.6521,  
29.6067

15.0568, 32.7779,  
3.0297

87.3166, 140.6897,  
43.0680

8.9459, 21.9563,  
1.1098

112.6670,  
175.7236, 60.0932

4.7627, 13.8248,  
0.0000

142.5027,  
216.1383, 81.1009

2.1420, 7.9989,  
0.0000

177.1891,  
262.3182, 106.5096

0.7119, 4.0943,  
0.0000

217.0916,

0.0000, 1.7264,

314.6477, 136.7378

0.0000

262.5754,  
373.5111, 172.2041

■ 0.0000, 0.4407,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 34.5237, 64.0286,  
11.7016

■ 34.5237, 64.0286,  
11.7016

■ 33.0265, 63.2812,  
10.6178

■ 36.6734, 65.0901,  
14.0009

■ 32.7767, 63.1555,  
10.4627

■ 39.5529, 66.4940,  
17.7742

■ 43.2291, 68.2725,  
23.2158

■ 47.7594, 70.4517,  
30.4893

■ 53.1958, 73.0552,  
39.7386

■ 59.5858, 76.1046,  
51.0937

■ 66.9733, 79.6201,  
64.6730

■ 75.3998, 83.6206,  
80.5865

■ 84.9040, 88.1239,  
98.9368

# Harmonies

## Analogous

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



50.6379, 64.0286, 4.3445



34.5237, 64.0286, 11.7016



26.8426, 64.0286, 39.4201

# Triad

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



34.5237, 64.0286, 11.7016



49.0721, 64.0286, 283.9420



116.4298, 64.0286, 43.0275

# Complementary

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



34.5237, 64.0286, 11.7016



37.6598, 18.2502, 83.9794

# 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.



115.6927, 64.0286, 112.5439



34.5237, 64.0286, 11.7016



72.3666, 64.0286, 287.4568

# Square

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



34.5237, 64.0286, 11.7016



33.6342, 64.0286, 204.0592



98.0161, 64.0286, 211.8288



99.8262, 64.0286, 12.8801



# Rectangle

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



34.5237, 64.0286, 11.7016



25.8730, 64.0286, 78.7683



98.0161, 64.0286, 211.8288



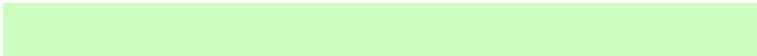
118.3119, 64.0286, 61.3857

# Sweetspot

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



34.5252, 64.0313, 11.7030



69.8399, 88.0315, 61.2844



54.7402, 55.7779, 9.0445



14.3604, 18.5621, 12.0531



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.



34.5252, 64.0313, 11.7030



37.5756, 72.4560, 12.0050



33.3194, 63.2446, 19.1040



15.9093, 17.8334, 16.7534



18.0381, 34.6205, 5.7317



1.5854, 2.9238, 0.4808



# Inverse Universe

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



37.6598, 18.2502, 83.9794



40.7627, 18.9288, 96.1129



45.0011, 22.8554, 47.2448



16.0746, 15.8357, 19.9310



19.5902, 9.1045, 45.8527

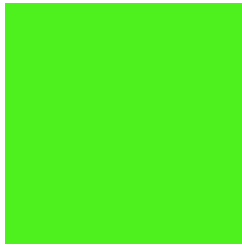


1.7157, 0.8017, 3.8185



# Previews

## White Background



This preview shows how the XYZ color 34.5237, 64.0286, 11.7016 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 34.5237, 64.0286, 11.7016 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 34.5237, 64.0286, 11.7016**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.5237, 64.0286, 11.7016.



This preview shows how white text looks on a background with the XYZ color 34.5237, 64.0286, 11.7016.



# 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

34.5237, 64.0286, 11.7016

### Protanopia

56.5887, 62.6446, 9.6394

### Deuteranopia

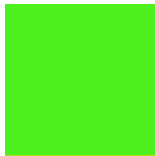
63.3659, 62.4209, 18.8339



## **Tritanopia**

50.4332, 63.3372, 92.7863

# Trichromacy



## Original Color

34.5237, 64.0286, 11.7016



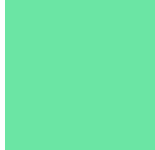
## Protanomaly

43.8600, 60.5877, 10.0924



## Deuteranomaly

46.3543, 59.0945, 14.5935



## Tritanomaly

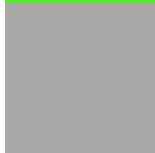
40.7836, 61.8448, 44.9097

# Monochromacy



## Original Color

34.5237, 64.0286, 11.7016



## Achromatopsia

37.2190, 39.1572, 42.6422



## Achromatomaly

32.4943, 45.0188, 23.8065

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.5237, 64.0286, 11.7016 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(78, 240, 29)` looks like.

```
.text, #text, p{  
    color:rgb(78, 240, 29)  
}
```

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(78, 240, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 240, 29) }
```

## Border

The CSS property to change the border of an element to XYZ 34.5237, 64.0286, 11.7016 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(78, 240, 29) }
```



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

```
.border{ border-color:rgb(78, 240, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 240, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 240, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 240, 29);  
box-shadow:4px 4px 4px 4px rgb(78, 240,  
29) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.5237, 64.0286, 11.7016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 240, 29) }
```

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

```
.background{ background-color: rgb(78, 240,  
29) }
```

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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