

# Converting Colors

XYZ(36.0424, 67.3320, 15.3951)

Have a look what the booklet for  
XYZ(36.0424, 67.3320, 15.3951)  
contains.

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# Color

**XYZ(36.0861, 67.4311,  
15.3885)**

# Conversions

## Conversions Part 1

Format	Color
Hex	43F63C
RGB	67, 246, 60
RGB Percent	26%, 96%, 24%
CMY	0.7373, 0.0353, 0.7647
CMYK	0.73, 0.00, 0.76, 0.04
HSL	118°, 91%, 60%
HSV	118°, 76%, 96%
XYZ	36.0861, 67.4311, 15.3885
YIQ	171.2750, -46.9780, -95.7940

# Conversions

## Conversions Part 2

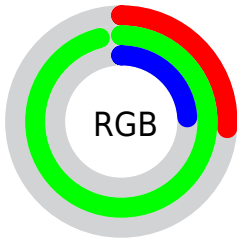
<b>Format</b>	<b>Color</b>
<b>RYB</b>	60, 246, 239
Decimal	4453948
CIELab	85.72, -76.40, 71.20
CIELCh	86, 104.437, 137.017
Yxy	67.4311, 0.3035, 0.5671
Android (android.graphics.Color)	4282644028 (0xFF43F63C)
YUV	171.2750, -54.8586, -91.4492
Hunter-Lab	82.1164, -65.2619, 46.3707

# Details

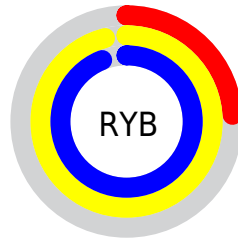
The XYZ color **36.0861, 67.4311, 15.3885** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **53.8522, 28.2394, 89.8049**, and the grayscale version is **39.1330, 41.1710, 44.8352**.

A 20% lighter version of the original color is **49.9050, 78.4274, 29.9605**, and **17.9832, 35.9664, 5.9944** is the 20% darker color. If you saturate the color by 10%, you get **34.2765, 66.5587, 12.6625**, and if you desaturate by 10%, it is **38.8638, 68.7717, 19.7388**.

# Distribution



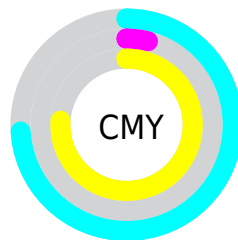
- Red (26%)
- Green (96%)
- Blue (24%)



- Red (24%)
- Yellow (96%)
- Blue (94%)



- Cyan (73%)
- Magenta (0%)
- Yellow (76%)
- Black (4%)




- Cyan (74%)
- Magenta (4%)
- Yellow (76%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.0861, 67.4311, 15.3885 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 36.0861, 67.4311, 15.3885 by changing the saturation by 10% instead.





 36.0861, 67.4311,  
15.3885


 36.0861, 67.4311,  
15.3885


320.7614,  
451.4777, 237.4270


 24.6711, 49.4351,  
8.9429


 68.4879, 115.5379,  
36.2852


 15.9596, 34.9647,  
4.6076


 90.2055, 146.4175,  
51.5733


 9.5862, 23.6357,  
1.9643


 116.0880,  
182.3603, 70.6460

 5.1857, 15.0636,  
0.5332

 146.5007,  
223.7509, 93.9218

 2.3925, 8.8640,  
0.0000

 181.8091,  
270.9735, 121.8193

 0.8414, 4.6526,  
0.0000

222.3784,

 0.0000, 2.0449,

324.4126, 154.7570

0.0000

268.5741,  
384.4525, 193.1534

■ 0.0000, 0.6334,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 36.0861, 67.4311,  
15.3885

■ 36.0861, 67.4311,  
15.3885

■ 34.2765, 66.5587,  
12.6625

■ 38.8638, 68.7717,  
19.7388


■ 33.2978, 66.0831,  
11.3111


■ 42.7139, 70.6239,  
25.9074


■ 33.0729, 65.9740,  
10.9911


■ 47.7325, 73.0357,  
34.0659

■ 54.0039, 76.0473,  
44.3650

 61.6043, 79.6950,  
56.9408

 70.6040, 84.0123,  
71.9181

 81.0685, 89.0306,  
89.4127

 92.2472, 94.3943,  
107.9657

# Harmonies

## Analogous

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



51.6007, 67.4311, 5.8613



36.0861, 67.4311, 15.3885



29.0204, 67.4311, 47.7199

# Triad

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



36.0861, 67.4311, 15.3885



54.3428, 67.4311, 289.7409



118.6167, 67.4311, 41.3362

# Complementary

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



36.0861, 67.4311, 15.3885



53.8522, 28.2394, 89.8049

# 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.



119.8789, 67.4311, 107.0067



36.0861, 67.4311, 15.3885



78.4505, 67.4311, 283.8144

# Square

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



36.0861, 67.4311, 15.3885



37.6629, 67.4311, 217.2450



103.7728, 67.4311, 204.0653



100.6612, 67.4311, 13.1980



# Rectangle

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



36.0861, 67.4311, 15.3885



28.5350, 67.4311, 90.6383



103.7728, 67.4311, 204.0653



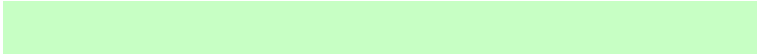
121.1399, 67.4311, 58.5350

# Sweetspot

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



36.0877, 67.4339, 15.3900



69.1990, 87.6028, 65.6955



69.0222, 80.3175, 16.1409



14.1057, 18.4120, 12.8899



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.



36.0877, 67.4339, 15.3900



36.4997, 71.8835, 12.7592



39.8327, 68.8798, 37.4637



16.3398, 18.5017, 17.5076



17.6781, 35.2262, 5.8676



1.5736, 3.1063, 0.5166



# Inverse Universe

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



53.8522, 28.2394, 89.8049



56.4584, 27.4736, 96.9350



46.1727, 25.4457, 36.8030



17.1484, 16.7347, 20.8689



27.5044, 13.1534, 47.6272

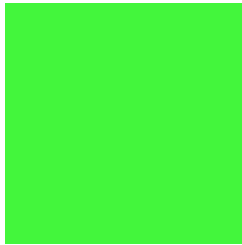


2.4362, 1.1658, 4.1869



# Previews

## White Background



This preview shows how the XYZ color 36.0861, 67.4311, 15.3885 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 36.0861, 67.4311, 15.3885 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

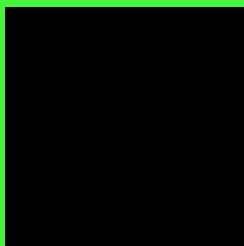
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 36.0861, 67.4311, 15.3885**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.0861, 67.4311, 15.3885.



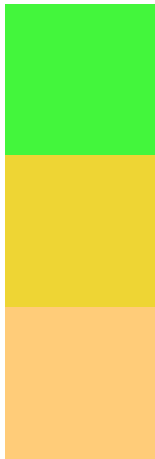
This preview shows how white text looks on a background with the XYZ color 36.0861, 67.4311,



# 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

36.0861, 67.4311, 15.3885

### Protanopia

59.6740, 66.0136, 12.8456

### Deuteranopia

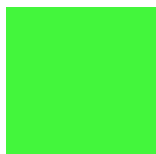
66.2841, 65.8262, 27.3013



## Tritanopia

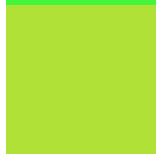
52.4338, 66.6675, 98.9115

# Trichromacy



## Original Color

36.0861, 67.4311, 15.3885



## Protanomaly

45.5193, 63.3564, 13.4443



## Deuteranomaly

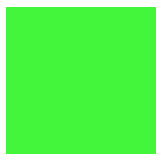
48.0772, 62.1287, 21.2625



## Tritanomaly

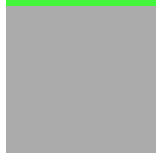
43.0921, 65.3646, 53.5255

# Monochromacy



## Original Color

36.0861, 67.4311, 15.3885



## Achromatopsia

38.7082, 40.7240, 44.3485



## Achromatomaly

33.9637, 47.0134, 28.7572

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.0861, 67.4311, 15.3885 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(67, 246, 60)` looks like.

```
.text, #text, p{  
    color:rgb(67, 246, 60)  
}
```

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(67, 246, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 246, 60) }
```

## Border

The CSS property to change the border of an element to XYZ 36.0861, 67.4311, 15.3885 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(67, 246, 60) }
```



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

```
.border{ border-color:rgb(67, 246, 60) }
```

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

Here you see how a box with a 4 pixel rgb(67, 246, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 246, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 246, 60);  
box-shadow:4px 4px 4px 4px rgb(67, 246,  
60) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.0861, 67.4311, 15.3885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 246, 60) }
```

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

```
.background{ background-color: rgb(67, 246,  
60) }
```

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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