

# Converting Colors

XYZ(35.5720, 67.7736, 15.9856)

Have a look what the booklet for  
XYZ(35.5720, 67.7736, 15.9856)  
contains.

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# Color

**XYZ(35.4528, 67.5447,  
16.0194)**

# Conversions

## Conversions Part 1

Format	Color
Hex	31F740
RGB	49, 247, 64
RGB Percent	19%, 97%, 25%
CMY	0.8078, 0.0314, 0.7490
CMYK	0.80, 0.00, 0.74, 0.03
HSL	125°, 93%, 58%
HSV	125°, 80%, 97%
XYZ	35.4528, 67.5447, 16.0194
YIQ	166.9360, -59.2650, -98.8890

# Conversions

## Conversions Part 2

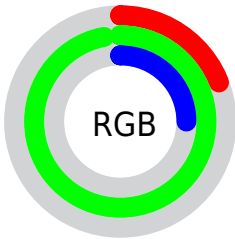
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	49, 233, 247
Decimal	3274560
CIE Lab	85.78, -78.78, 69.90
CIE LCh	86, 105.317, 138.418
Yxy	67.5447, 0.2979, 0.5675
Android (android.graphics.Color)	4281464640 (0xFF31F740)
YUV	166.9360, -50.7474, -103.4299
Hunter-Lab	82.1856, -66.8243, 45.9733

# Details

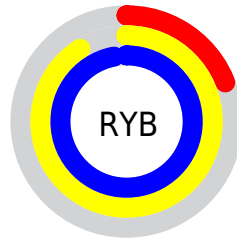
The XYZ color **35.4528, 67.5447, 16.0194** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **54.0228, 27.7976, 78.8600**, and the grayscale version is **36.9611, 38.8860, 42.3468**.

A 20% lighter version of the original color is **48.5411, 77.6959, 31.1773**, and **18.1976, 36.3952, 6.0659** is the 20% darker color. If you saturate the color by 10%, you get **34.0494, 66.8835, 13.2295**, and if you desaturate by 10%, it is **37.7768, 68.6537, 20.2421**.

# Distribution



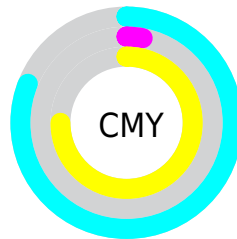
- Red (19%)
- Green (97%)
- Blue (25%)



- Red (19%)
- Yellow (91%)
- Blue (97%)



- Cyan (80%)
- Magenta (0%)
- Yellow (74%)
- Black (3%)




- Cyan (81%)
- Magenta (3%)
- Yellow (75%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.4528, 67.5447, 16.0194 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 35.4528, 67.5447, 16.0194 by changing the saturation by 10% instead.





 35.4528, 67.5447,  
16.0194


 35.4528, 67.5447,  
16.0194


318.0356,  
451.8812, 241.3058


 24.1800, 49.5274,  
9.3834


 67.5160, 115.7006,  
37.3991

 15.5927, 35.0380,  
4.8919


 89.0372, 146.6079,  
52.9799

 9.3254, 23.6922,  
2.1263


 114.7053,  
182.5808, 72.3794

 5.0128, 15.1054,  
0.6314

 144.8855,  
224.0035, 96.0161

 2.2896, 8.8934,  
0.0000

 179.9433,  
271.2605, 124.3085

 0.7894, 4.6717,  
0.0000

220.2440,

 0.0000, 2.0560,

324.7362, 157.6753

0.0000

266.1530,  
384.8150, 196.5348

■ 0.0000, 0.6397,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 35.4528, 67.5447,  
16.0194

■ 35.4528, 67.5447,  
16.0194

■ 34.0494, 66.8835,  
13.2295


■ 37.7768, 68.6537,  
20.2421


■ 33.3773, 66.5704,  
11.6939


■ 41.1387, 70.2618,  
26.0498


■ 45.6437, 72.4222,  
33.5801


■ 51.3825, 75.1791,  
42.9546

 58.4367, 78.5722,  
54.2840

 66.8812, 82.6380,  
67.6701

 76.7849, 87.4099,  
83.2078

 88.2124, 92.9193,  
100.9859

 92.5521, 95.0043,  
108.0674

# Harmonies

## Analogous

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



50.6707, 67.5447, 5.8710



35.4528, 67.5447, 16.0194



28.7217, 67.5447, 50.0349

# Triad

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



35.4528, 67.5447, 16.0194



55.3569, 67.5447, 294.4819



118.8172, 67.5447, 39.1390

# Complementary

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



35.4528, 67.5447, 16.0194



54.0228, 27.7976, 78.8600

# 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.



120.9814, 67.5447, 103.4608



35.4528, 67.5447, 16.0194



79.9438, 67.5447, 284.2956

# Square

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



35.4528, 67.5447, 16.0194



38.1425, 67.5447, 223.7146



105.3667, 67.5447, 201.0814



100.0343, 67.5447, 12.3075



# Rectangle

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



35.4528, 67.5447, 16.0194



28.4632, 67.5447, 94.6840



105.3667, 67.5447, 201.0814



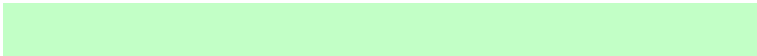
121.6588, 67.5447, 55.8121

# Sweetspot

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



35.4544, 67.5475, 16.0209



68.2005, 87.0604, 66.9014



67.6840, 84.2053, 15.5917



13.9121, 18.3044, 13.2320



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.



35.4544, 67.5475, 16.0209



36.1064, 71.6733, 13.0778



40.9797, 69.7576, 45.1167



16.3332, 18.4924, 17.7728



17.6705, 35.2131, 6.2848



1.5704, 3.1018, 0.6436



# Inverse Universe

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



54.0228, 27.7976, 78.8600



56.5559, 27.5635, 82.0365



43.8169, 23.7153, 25.1168



17.1562, 16.7453, 20.5693



27.7365, 13.4380, 40.1824

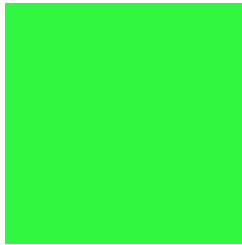


2.4536, 1.1874, 3.6152



# Previews

## White Background



This preview shows how the XYZ color 35.4528, 67.5447, 16.0194 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 35.4528, 67.5447, 16.0194 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 35.4528, 67.5447, 16.0194**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.4528, 67.5447, 16.0194.



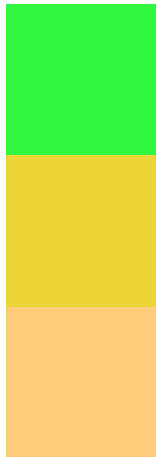
This preview shows how white text looks on a background with the XYZ color 35.4528, 67.5447,



# 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

35.4528, 67.5447, 16.0194

### Protanopia

59.7437, 66.0415, 13.2129

### Deuteranopia

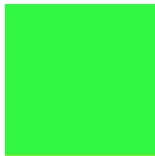
66.3457, 65.8509, 27.6260



## Tritanopia

51.8261, 66.7482, 99.7747

# Trichromacy



## Original Color

35.4528, 67.5447, 16.0194



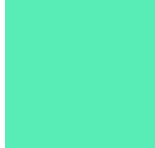
## Protanomaly

44.0511, 62.5909, 13.7625



## Deuteranomaly

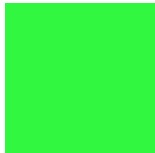
46.7646, 61.8293, 21.7814



## Tritanomaly

42.4635, 65.4430, 54.6497

# Monochromacy



## Original Color

35.4528, 67.5447, 16.0194



## Achromatopsia

36.7301, 38.6429, 42.0822



## Achromatomaly

32.0814, 45.3766, 28.1868

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.4528, 67.5447, 16.0194 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(49, 247, 64)` looks like.

```
.text, #text, p{  
    color:rgb(49, 247, 64)  
}
```

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(49, 247, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 247, 64) }
```

## Border

The CSS property to change the border of an element to XYZ 35.4528, 67.5447, 16.0194 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(49, 247, 64) }
```



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

```
.border{ border-color:rgb(49, 247, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 247, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 247, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 247, 64);  
box-shadow:4px 4px 4px 4px rgb(49, 247,  
64) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.4528, 67.5447, 16.0194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 247, 64) }
```

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

```
.background{ background-color: rgb(49, 247,  
64) }
```

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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