

Converting Colors

XYZ(35.8697, 67.1956, 15.3924)

Have a look what the booklet for
XYZ(35.8697, 67.1956, 15.3924)
contains.

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Color

**XYZ(35.9514, 67.3616,
15.3822)**

Conversions

Conversions Part 1

Format	Color
Hex	41F63C
RGB	65, 246, 60
RGB Percent	25%, 96%, 24%
CMY	0.7451, 0.0353, 0.7647
CMYK	0.74, 0.00, 0.76, 0.04
HSL	118°, 91%, 60%
HSV	118°, 76%, 96%
XYZ	35.9514, 67.3616, 15.3822
YIQ	170.6770, -48.1700, -96.2180

Conversions

Conversions Part 2

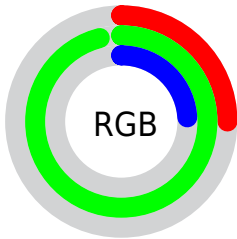
Format	Color
RYB	60, 246, 241
Decimal	4322876
CIELab	85.69, -76.70, 71.16
CIELCh	86, 104.626, 137.148
Yxy	67.3616, 0.3029, 0.5675
Android (android.graphics.Color)	4282512956 (0xFF41F63C)
YUV	170.6770, -54.5638, -92.6787
Hunter-Lab	82.0741, -65.4403, 46.3398

Details

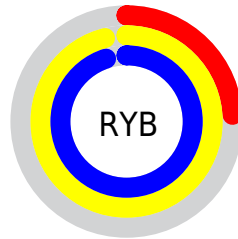
The XYZ color **35.9514, 67.3616, 15.3822** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **54.5307, 28.5892, 89.8365**, and the grayscale version is **38.8307, 40.8529, 44.4889**.

A 20% lighter version of the original color is **49.7372, 78.3409, 29.9526**, and **17.9832, 35.9664, 5.9944** is the 20% darker color. If you saturate the color by 10%, you get **34.1835, 66.5107, 12.6582**, and if you desaturate by 10%, it is **38.6955, 68.6848, 19.7309**.

Distribution



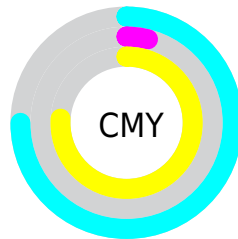
- Red (25%)
- Green (96%)
- Blue (24%)



- Red (24%)
- Yellow (96%)
- Blue (95%)



- Cyan (74%)
- Magenta (0%)
- Yellow (76%)
- Black (4%)





- Cyan (75%)
- Magenta (4%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.9514, 67.3616, 15.3822 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 35.9514, 67.3616, 15.3822 by changing the saturation by 10% instead.


 35.9514, 67.3616,
15.3822


 35.9514, 67.3616,
15.3822


320.1830,
451.2308, 237.3880

 24.5666, 49.3785,
8.9385


 68.2814, 115.4384,
36.2740


 15.8815, 34.9199,
4.6048


 89.9573, 146.3009,
51.5592


 9.5306, 23.6011,
1.9627


 115.7943,
182.2254, 70.6286

 5.1487, 15.0380,
0.5322

 146.1578,
223.5962, 93.9008

 2.3704, 8.8461,
0.0000

 181.4130,
270.7978, 121.7943

 0.8303, 4.6409,
0.0000

221.9254,

 0.0000, 2.0382,

324.2145, 154.7276

0.0000

268.0603,
384.2307, 193.1193

0.0000, 0.6295,
0.0000

0.0000, 0.0000,
0.0000

35.9514, 67.3616,
15.3822

35.9514, 67.3616,
15.3822

34.1835, 66.5107,
12.6582

38.6955, 68.6848,
19.7309

33.2497, 66.0582,
11.3088

42.5234, 70.5257,
25.8985

33.0398, 65.9568,
10.9896

47.5341, 72.9334,
34.0566

53.8138, 75.9492,
44.3561

■ 61.4409, 79.6107,
56.9331

■ 70.4874, 83.9521,
71.9126

■ 81.0201, 89.0056,
89.4104

■ 92.2471, 94.3942,
107.9657

Harmonies

Analogous

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



51.4362, 67.3616, 5.8217



35.9514, 67.3616, 15.3822



28.9202, 67.3616, 47.8423

Triad

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



35.9514, 67.3616, 15.3822



54.3583, 67.3616, 290.2958



118.5900, 67.3616, 41.0429

Complementary

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



35.9514, 67.3616, 15.3822



54.5307, 28.5892, 89.8365

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.



119.9364, 67.3616, 106.6031



35.9514, 67.3616, 15.3822



78.5169, 67.3616, 283.9691

Square

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



35.9514, 67.3616, 15.3822



37.6307, 67.3616, 217.8670



103.8633, 67.3616, 203.8015



100.5447, 67.3616, 13.0542

Rectangle

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



35.9514, 67.3616, 15.3822



28.4562, 67.3616, 90.9268



103.8633, 67.3616, 203.8015



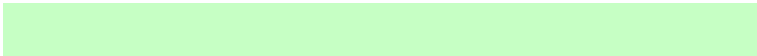
121.1446, 67.3616, 58.1902

Sweetspot

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



35.9530, 67.3644, 15.3837



69.0326, 87.5170, 65.6877



69.9260, 82.1251, 16.4422



14.0669, 18.3920, 12.8880



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.



35.9530, 67.3644, 15.3837



36.4260, 71.8455, 12.7557



40.0723, 68.9756, 38.7256



16.3233, 18.4932, 17.5068



17.6531, 35.2133, 5.8664



1.5657, 3.1022, 0.5163

Inverse Universe

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



54.5307, 28.5892, 89.8365



57.3402, 27.9282, 96.9763



45.8997, 25.3365, 35.3659



17.1671, 16.7443, 20.8697



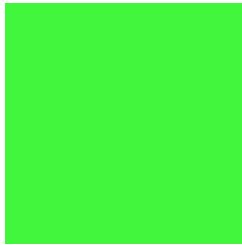
27.9706, 13.3937, 47.6491



2.4720, 1.1842, 4.1885

Previews

White Background



This preview shows how the XYZ color 35.9514, 67.3616, 15.3822 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 35.9514, 67.3616, 15.3822 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 35.9514, 67.3616, 15.3822

Background



This preview shows how black text looks on a background with the XYZ color 35.9514, 67.3616, 15.3822.

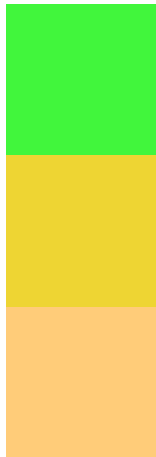


This preview shows how white text looks on a background with the XYZ color 35.9514, 67.3616,

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

35.9514, 67.3616, 15.3822

Protanopia

59.6517, 66.0047, 12.7282

Deuteranopia

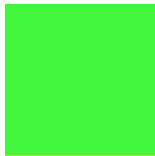
66.2841, 65.8262, 27.3013



Tritanopia

52.2987, 66.5978, 98.9052

Trichromacy



Original Color

35.9514, 67.3616, 15.3822



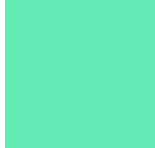
Protanomaly

45.2703, 63.2307, 13.3088



Deuteranomaly

47.8333, 62.0030, 21.2511



Tritanomaly

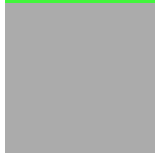
42.9836, 65.3086, 53.5204

Monochromacy



Original Color

35.9514, 67.3616, 15.3822



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

33.8065, 46.9324, 28.7498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9514, 67.3616, 15.3822 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(65, 246, 60)` looks like.

```
.text, #text, p{  
    color:rgb(65, 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(65, 246, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 246, 60) }
```

Border

The CSS property to change the border of an element to XYZ 35.9514, 67.3616, 15.3822 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(65, 246, 60) }
```


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

```
.border{ border-color:rgb(65, 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(65, 246, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 246, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 246, 60);  
box-shadow:4px 4px 4px 4px rgb(65, 246,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9514, 67.3616, 15.3822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 246, 60) }
```

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

```
.background{ background-color: rgb(65, 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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