

Converting Colors

XYZ(36.2002, 67.6871, 16.1064)

Have a look what the booklet for
XYZ(36.2002, 67.6871, 16.1064)
contains.

XYZ(36.0899, 67.4170, 16.1117)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(36.0899, 67.4170,
16.1117)**

Conversions

Conversions Part 1

Format	Color
Hex	41F641
RGB	65, 246, 65
RGB Percent	25%, 96%, 25%
CMY	0.7451, 0.0353, 0.7451
CMYK	0.74, 0.00, 0.74, 0.04
HSL	120°, 91%, 61%
HSV	120°, 74%, 96%
XYZ	36.0899, 67.4170, 16.1117
YIQ	171.2470, -49.7750, -94.6630

Conversions

Conversions Part 2

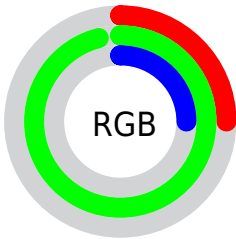
Format	Color
RYB	65, 246, 246
Decimal	4322881
CIELab	85.71, -76.36, 69.58
CIELCh	86, 103.308, 137.658
Yxy	67.4170, 0.3017, 0.5636
Android (android.graphics.Color)	4282512961 (0xFF41F641)
YUV	171.2470, -52.3798, -93.1786
Hunter-Lab	82.1079, -65.2304, 45.8413

Details

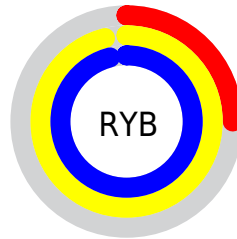
The XYZ color **36.0899, 67.4170, 16.1117** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **56.5322, 30.0281, 90.0038**, and the grayscale version is **39.1079, 41.1445, 44.8064**.

A 20% lighter version of the original color is **49.9826, 78.4390, 31.2448**, and **17.9832, 35.9664, 5.9944** is the 20% darker color. If you saturate the color by 10%, you get **34.2378, 66.5294, 13.0810**, and if you desaturate by 10%, it is **38.9637, 68.7994, 20.8114**.

Distribution



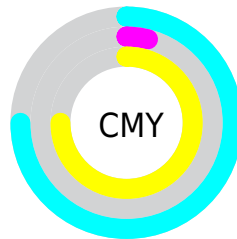
- Red (25%)
- Green (96%)
- Blue (25%)



- Red (25%)
- Yellow (96%)
- Blue (96%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.0899, 67.4170, 16.1117 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 36.0899, 67.4170, 16.1117 by changing the saturation by 10% instead.


 36.0899, 67.4170,
16.1117


 36.0899, 67.4170,
16.1117


320.7777,
451.4276, 241.8681

 24.6741, 49.4236,
9.4480


 68.4938, 115.5177,
37.5615


 15.9618, 34.9556,
4.9338


 90.2125, 146.3938,
53.1847


 9.5878, 23.6287,
2.1504


 116.0963,
182.3329, 72.6315

 5.1867, 15.0584,
0.6455

 146.5104,
223.7195, 96.3204

 2.3931, 8.8604,
0.0000

 181.8202,
270.9378, 124.6700

 0.8417, 4.6502,
0.0000

222.3912,

 0.0000, 2.0435,

324.3724, 158.0988

0.0000

268.5885,
384.4075, 197.0253

0.0000, 0.6326,
0.0000

0.0000, 0.0000,
0.0000

36.0899, 67.4170,
16.1117

36.0899, 67.4170,
16.1117

34.2378, 66.5294,
13.0810

38.9637, 68.7994,
20.8114


33.2595, 66.0595,
11.4805


42.9719, 70.7248,
27.3676


32.9572, 65.9142,
10.9859


48.2176, 73.2446,
35.9481

54.7912, 76.4022,
46.7005

 62.7746, 80.2371,
59.7586

 72.2430, 84.7852,
75.2457

 83.2663, 90.0803,
93.2760

 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.



51.2966, 67.4170, 6.1962



36.0899, 67.4170, 16.1117



29.2320, 67.4170, 49.0211

Triad

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



36.0899, 67.4170, 16.1117



54.8749, 67.4170, 287.0541



117.6578, 67.4170, 40.6682

Complementary

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



36.0899, 67.4170, 16.1117



56.5322, 30.0281, 90.0038

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.



119.2955, 67.4170, 104.7736



36.0899, 67.4170, 16.1117



78.8232, 67.4170, 279.3948

Square

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



36.0899, 67.4170, 16.1117



38.1538, 67.4170, 217.1014



103.7282, 67.4170, 200.0415



99.6868, 67.4170, 13.2104

Rectangle

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



36.0899, 67.4170, 16.1117



28.8526, 67.4170, 92.0847



103.7282, 67.4170, 200.0415



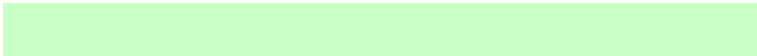
120.2712, 67.4170, 57.4405

Sweetspot

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



36.0915, 67.4198, 16.1132



69.5841, 87.7674, 67.2465



71.9189, 85.8895, 17.7890



14.3424, 18.5209, 13.4914



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.



36.0915, 67.4198, 16.1132



36.5553, 71.9020, 13.2212



41.0959, 69.4216, 42.4659



16.2823, 18.4721, 17.5050



17.5906, 35.1811, 5.8637



1.5460, 3.0921, 0.5154

Inverse Universe

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



56.5322, 30.0281, 90.0038



59.7684, 29.4387, 97.1334



45.8567, 25.7578, 33.7870



17.2137, 16.7683, 20.8718



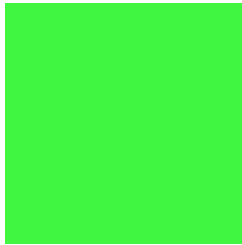
29.1644, 14.0092, 47.7014



2.5633, 1.2313, 4.1925

Previews

White Background



This preview shows how the XYZ color 36.0899, 67.4170, 16.1117 looks on a white background.

Color Contrast Check

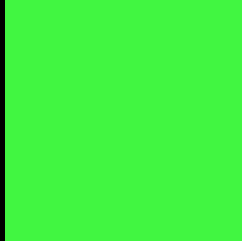
Large Text (above 18pt) WCAG AA × Fail

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 36.0899, 67.4170, 16.1117 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 36.0899, 67.4170, 16.1117

Background



This preview shows how black text looks on a background with the XYZ color 36.0899, 67.4170, 16.1117.



This preview shows how white text looks on a background with the XYZ color 36.0899, 67.4170,

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

36.0899, 67.4170, 16.1117

Protanopia

59.7680, 66.0512, 13.3404

Deuteranopia

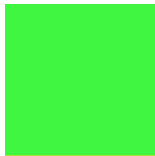
66.3457, 65.8509, 27.6260



Tritanopia

52.2987, 66.5978, 98.9052

Trichromacy



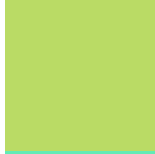
Original Color

36.0899, 67.4170, 16.1117



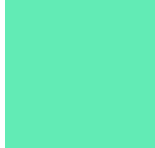
Protanomaly

45.3938, 63.2802, 13.9595



Deuteranomaly

47.9302, 62.0417, 21.7610



Tritanomaly

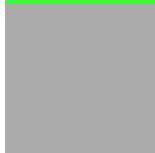
43.0858, 65.3495, 54.0589

Monochromacy



Original Color

36.0899, 67.4170, 16.1117



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

33.8747, 46.9596, 29.1085

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0899, 67.4170, 16.1117 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, 65)` looks like.

```
.text, #text, p{  
    color:rgb(65, 246, 65)  
}
```

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, 65) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 36.0899, 67.4170, 16.1117 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, 65) }
```


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

```
.border{ border-color:rgb(65, 246, 65) }
```

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, 65) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 36.0899, 67.4170, 16.1117 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, 65) }
```

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

```
.background{ background-color: rgb(65, 246,  
65) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor