

Converting Colors

XYZ(35.4880, 65.2988, 16.6948)

Have a look what the booklet for
XYZ(35.4880, 65.2988, 16.6948)
contains.

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Color

**XYZ(35.4880, 65.2988,
16.6948)**

Conversions

Conversions Part 1

Format	Color
Hex	47F247
RGB	71, 242, 71
RGB Percent	28%, 95%, 28%
CMY	0.7216, 0.0510, 0.7215
CMYK	0.71, 0.00, 0.71, 0.05
HSL	120°, 87%, 61%
HSV	120°, 71%, 95%
XYZ	35.4880, 65.2988, 16.6948
YIQ	171.3770, -47.0250, -89.4330

Conversions

Conversions Part 2

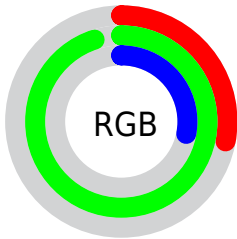
Format	Color
RYB	71, 242, 242
Decimal	4715079
CIELab	84.64, -73.74, 66.47
CIELCh	85, 99.276, 137.970
Yxy	65.2988, 0.3021, 0.5558
Android (android.graphics.Color)	4282905159 (0xFF47F247)
YUV	171.3770, -49.4859, -88.0306
Hunter-Lab	80.8077, -63.0223, 44.3161

Details

The XYZ color **35.4880, 65.2988, 16.6948** is a dark color, and the websafe version is hex **66FF66**. The color can be described as dark washed green. A complement of this color would be **54.8995, 29.7953, 86.8607**, and the grayscale version is **39.1583, 41.1976, 44.8641**.

A 20% lighter version of the original color is **50.6408, 78.7412, 32.9516**, and **17.1405, 34.2810, 5.7135** is the 20% darker color. If you saturate the color by 10%, you get **33.4257, 64.3102, 13.3203**, and if you desaturate by 10%, it is **38.5686, 66.7805, 21.7328**.

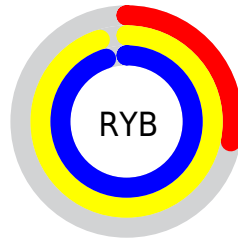
Distribution



Red (28%)

Green (95%)

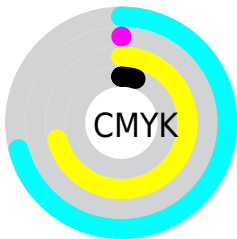
Blue (28%)



Red (28%)

Yellow (95%)

Blue (95%)

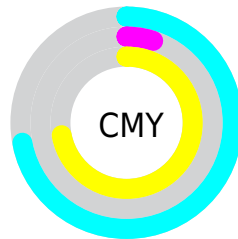


Cyan (71%)

Magenta (0%)

Yellow (71%)

Black (5%)



Cyan (72%)


Magenta (5%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.4880, 65.2988, 16.6948 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 35.4880, 65.2988, 16.6948 by changing the saturation by 10% instead.


 35.4880, 65.2988,
16.6948


 35.4880, 65.2988,
16.6948


318.1875,
443.8649, 245.3915


 24.2073, 47.7034,
9.8575


 67.5701, 112.4793,
38.5837

 15.6130, 33.5921,
5.2002


 89.1023, 142.8333,
54.4724

 9.3399, 22.5804,
2.3044


 114.7823,
178.2088, 74.2153

 5.0224, 14.2840,
0.7337

 144.9755,
218.9904, 98.2309

 2.2953, 8.3184,
0.0000

 180.0472,
265.5624, 126.9378

 0.7923, 4.2994,
0.0000

220.3629,

 0.0000, 1.8424,

318.3093, 160.7545

0.0000

266.2879,
377.6153, 200.0996

■ 0.0000, 0.5134,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.4880, 65.2988,
16.6948

■ 35.4880, 65.2988,
16.6948

■ 33.4257, 64.3102,
13.3203

■ 38.5686, 66.7805,
21.7328


■ 32.2484, 63.7447,
11.3944


■ 42.7706, 68.7990,
28.6060


■ 31.7535, 63.5069,
10.5847


■ 48.1895, 71.4020,
37.4697

■ 54.9095, 74.6299,
48.4615

 63.0072, 78.5197,
61.7067

 72.5534, 83.1052,
77.3210

 83.6140, 88.4181,
95.4122

 91.0434, 91.9869,
107.5645

Harmonies

Analogous

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



49.8240, 65.2988, 6.7308



35.4880, 65.2988, 16.6948



29.0205, 65.2988, 48.5765

Triad

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



35.4880, 65.2988, 16.6948



53.6002, 65.2988, 269.7091



112.0627, 65.2988, 39.7027

Complementary

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



35.4880, 65.2988, 16.6948



54.8995, 29.7953, 86.8607

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.



113.7661, 65.2988, 99.6883



35.4880, 65.2988, 16.6948



76.1617, 65.2988, 261.8252

Square

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



35.4880, 65.2988, 16.6948



37.6830, 65.2988, 205.7333



99.4028, 65.2988, 188.1023



95.1891, 65.2988, 13.5171

Rectangle

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



35.4880, 65.2988, 16.6948



28.7059, 65.2988, 89.3991



99.4028, 65.2988, 188.1023



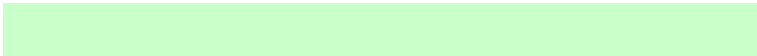
114.5530, 65.2988, 55.4844

Sweetspot

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



35.4895, 65.3015, 16.6963



70.5644, 88.2383, 68.8500



69.5103, 82.8399, 18.2874



14.5328, 18.6124, 13.8029



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.



35.4895, 65.3015, 16.6963



36.9226, 72.0784, 13.8221



40.3954, 67.2639, 42.5302



15.5660, 17.6564, 16.7374



17.0575, 34.1150, 5.6860



1.4190, 2.8381, 0.4731

Inverse Universe

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



54.8995, 29.7953, 86.8607



59.9899, 29.8818, 97.2073



44.9161, 25.8019, 34.2889



16.4543, 16.0314, 19.9486



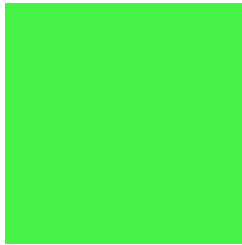
28.2806, 13.5847, 46.2559



2.3527, 1.1301, 3.8481

Previews

White Background



This preview shows how the XYZ color 35.4880, 65.2988, 16.6948 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 35.4880, 65.2988, 16.6948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

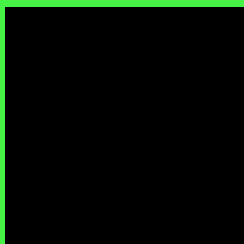
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.4880, 65.2988, 16.6948

Background



This preview shows how black text looks on a background with the XYZ color 35.4880, 65.2988, 16.6948.

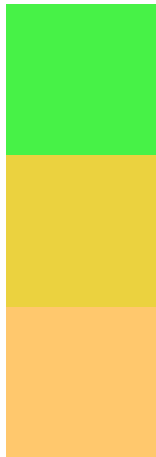


This preview shows how white text looks on a background with the XYZ color 35.4880, 65.2988,

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

35.4880, 65.2988, 16.6948

Protanopia

58.2047, 64.1142, 14.0102

Deuteranopia

64.6546, 63.6727, 23.3504



Tritanopia

50.9967, 64.7759, 95.4031

Trichromacy



Original Color

35.4880, 65.2988, 16.6948



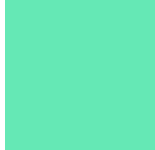
Protanomaly

44.7838, 61.7499, 14.7128



Deuteranomaly

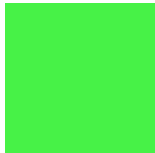
47.1050, 60.1185, 19.9478



Tritanomaly

42.5639, 63.8161, 53.7905

Monochromacy



Original Color

35.4880, 65.2988, 16.6948



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

34.3311, 46.8327, 30.1518

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4880, 65.2988, 16.6948 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(71, 242, 71)` looks like.

```
.text, #text, p{  
    color:rgb(71, 242, 71)  
}
```

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(71, 242, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 242, 71) }
```

Border

The CSS property to change the border of an element to XYZ 35.4880, 65.2988, 16.6948 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(71, 242, 71) }
```


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

```
.border{ border-color:rgb(71, 242, 71) }
```

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

Here you see how a box with a 4 pixel rgb(71, 242, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 242, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 242, 71);  
box-shadow:4px 4px 4px 4px rgb(71, 242,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 35.4880, 65.2988, 16.6948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 242, 71) }
```

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

```
.background{ background-color: rgb(71, 242,  
71) }
```

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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