

Converting Colors

XYZ(38.4116, 65.8959, 15.8661)

Have a look what the booklet for
XYZ(38.4116, 65.8959, 15.8661)
contains.

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Color

**XYZ(38.4501, 65.9647,
15.8602)**

Conversions

Conversions Part 1

Format	Color
Hex	6DF042
RGB	109, 240, 66
RGB Percent	43%, 94%, 26%
CMY	0.5725, 0.0588, 0.7412
CMYK	0.55, 0.00, 0.72, 0.06
HSL	105°, 85%, 60%
HSV	105°, 72%, 94%
XYZ	38.4501, 65.9647, 15.8602
YIQ	180.9950, -22.2220, -81.8860

Conversions

Conversions Part 2

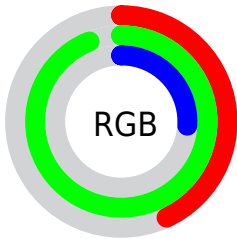
Format	Color
RYB	66, 240, 197
Decimal	7204930
CIELab	84.98, -65.46, 68.87
CIELCh	85, 95.016, 133.547
Yxy	65.9647, 0.3197, 0.5484
Android (android.graphics.Color)	4285395010 (0xFF6DF042)
YUV	180.9950, -56.6925, -63.1396
Hunter-Lab	81.2187, -57.6281, 45.2750

Details

The XYZ color **38.4501, 65.9647, 15.8602** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle washed chartreuse. A complement of this color would be **40.7064, 22.0606, 84.5543**, and the grayscale version is **44.2255, 46.5287, 50.6698**.

A 20% lighter version of the original color is **56.1927, 81.6332, 31.8639**, and **17.5607, 34.1903, 5.6738** is the 20% darker color. If you saturate the color by 10%, you get **35.8869, 64.7107, 12.7900**, and if you desaturate by 10%, it is **41.7700, 67.5786, 20.5169**.

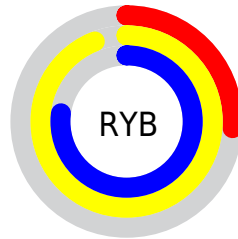
Distribution



Red (43%)

Green (94%)

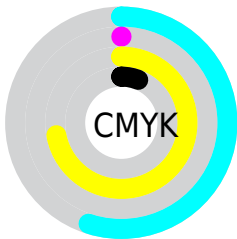
Blue (26%)



Red (26%)

Yellow (94%)

Blue (77%)

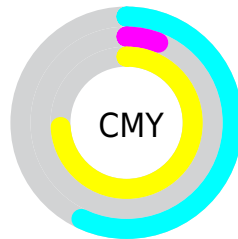


Cyan (55%)

Magenta (0%)

Yellow (72%)

Black (6%)



Cyan (57%)


Magenta (6%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4501, 65.9647, 15.8602 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 38.4501, 65.9647, 15.8602 by changing the saturation by 10% instead.


 38.4501, 65.9647,
15.8602


 38.4501, 65.9647,
15.8602

330.7944,
446.2506, 240.3328


 26.5110, 48.2437,
9.2720


 72.0970, 113.4357,
37.1187

 17.3410, 34.0200,
4.8198


 94.5354, 143.9545,
52.6262


 10.5747, 22.9089,
2.0850


 121.2044,
179.5080, 71.9437

 5.8468, 14.5263,
0.6068

 152.4693,
220.4807, 95.4900

 2.7919, 8.4876,
0.0000

 188.6954,
267.2569, 123.6835

 1.0447, 4.4085,
0.0000

230.2480,

 0.0000, 1.9046,

320.2210, 156.9428

0.0000

277.4926,
379.7575, 195.6864

■ 0.0000, 0.5511,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.4501, 65.9647,
15.8602

■ 38.4501, 65.9647,
15.8602

■ 35.8869, 64.7107,
12.7900

■ 41.7700, 67.5786,
20.5169

■ 34.0077, 63.7775,
11.0904


■ 45.9009, 69.5704,
26.9310


■ 32.9831, 63.2620,
10.4724


■ 50.8968, 71.9668,
35.2562


■ 56.8057, 74.7895,
45.6282

 63.6717, 78.0586,
58.1703

 71.5360, 81.7928,
72.9961

 80.4374, 86.0098,
90.2113

 89.9241, 90.5310,
107.3425

 90.4514, 90.8029,
107.3671

Harmonies

Analogous

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



53.5630, 65.9647, 7.4299



38.4501, 65.9647, 15.8602



30.9872, 65.9647, 43.4004

Triad

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



38.4501, 65.9647, 15.8602



51.7718, 65.9647, 253.9323



111.6872, 65.9647, 47.6506

Complementary

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



38.4501, 65.9647, 15.8602



40.7064, 22.0606, 84.5543

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.



110.8968, 65.9647, 110.5454



38.4501, 65.9647, 15.8602



72.8155, 65.9647, 257.5325

Square

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



38.4501, 65.9647, 15.8602



37.3967, 65.9647, 187.1203



95.4539, 65.9647, 195.2212



97.4165, 65.9647, 17.4517

Rectangle

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



38.4501, 65.9647, 15.8602



29.9961, 65.9647, 79.3471



95.4539, 65.9647, 195.2212



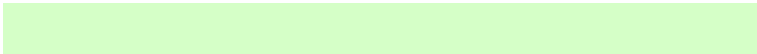
113.2576, 65.9647, 64.7928

Sweetspot

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



38.4517, 65.9675, 15.8617



73.4287, 89.7494, 67.4252



56.7743, 58.6276, 13.4792



15.2313, 18.9792, 13.5328



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.



38.4517, 65.9675, 15.8617



40.0580, 73.7037, 13.5649



36.1963, 64.5964, 25.1719



15.9318, 17.8450, 16.7544



18.1559, 34.6812, 5.7372



1.5980, 2.9303, 0.4814

Inverse Universe

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



40.7064, 22.0606, 84.5543



42.4664, 20.6206, 96.3497



47.9067, 26.4318, 55.1034



16.0506, 15.8233, 19.9299



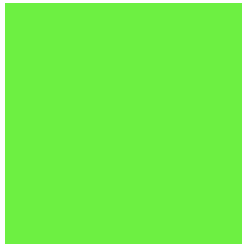
19.1299, 8.8672, 45.8312



1.6809, 0.7838, 3.8169

Previews

White Background



This preview shows how the XYZ color 38.4501, 65.9647, 15.8602 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 38.4501, 65.9647, 15.8602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

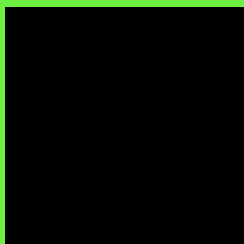
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

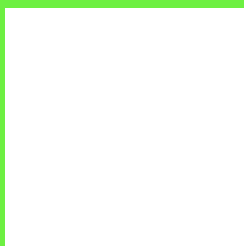
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.4501, 65.9647, 15.8602

Background



This preview shows how black text looks on a background with the XYZ color 38.4501, 65.9647, 15.8602.

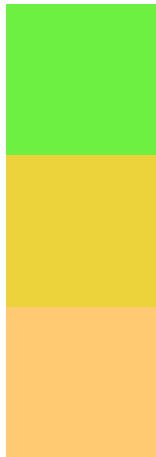


This preview shows how white text looks on a background with the XYZ color 38.4501, 65.9647,

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

38.4501, 65.9647, 15.8602

Protanopia

58.6758, 64.7372, 13.5407

Deuteranopia

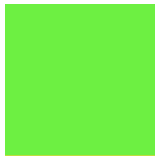
65.3978, 64.7160, 24.9642



Tritanopia

53.8380, 65.4729, 93.8044

Trichromacy



Original Color

38.4501, 65.9647, 15.8602



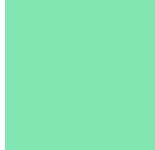
Protanomaly

48.2260, 63.5375, 14.2796



Deuteranomaly

51.0707, 62.5314, 20.6873



Tritanomaly

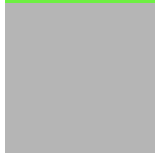
45.5386, 64.5538, 52.1795

Monochromacy



Original Color

38.4501, 65.9647, 15.8602



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

39.2983, 51.0737, 32.2131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4501, 65.9647, 15.8602 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(109, 240, 66)` looks like.

```
.text, #text, p{  
    color:rgb(109, 240, 66)  
}
```

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(109, 240, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 240, 66) }
```

Border

The CSS property to change the border of an element to XYZ 38.4501, 65.9647, 15.8602 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(109, 240, 66) }
```


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

```
.border{ border-color:rgb(109, 240, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 240, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 240, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 240, 66);  
box-shadow:4px 4px 4px 4px rgb(109, 240,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4501, 65.9647, 15.8602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 240, 66) }
```

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

```
.background{ background-color: rgb(109,  
240, 66) }
```

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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