

Converting Colors

XYZ(38.4345, 65.7448, 19.7349)

Have a look what the booklet for
XYZ(38.4345, 65.7448, 19.7349)
contains.

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Color

**XYZ(38.4739, 65.8919,
19.7074)**

Conversions

Conversions Part 1

Format	Color
Hex	67F057
RGB	103, 240, 87
RGB Percent	40%, 94%, 34%
CMY	0.5961, 0.0588, 0.6588
CMYK	0.57, 0.00, 0.64, 0.06
HSL	114°, 84%, 64%
HSV	114°, 64%, 94%
XYZ	38.4739, 65.8919, 19.7074
YIQ	181.5950, -32.5390, -76.6270

Conversions

Conversions Part 2

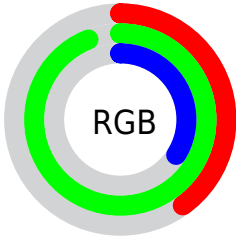
Format	Color
RYB	87, 240, 224
Decimal	6811735
CIELab	84.94, -65.22, 60.90
CIELCh	85, 89.239, 136.962
Yxy	65.8919, 0.3101, 0.5311
Android (android.graphics.Color)	4285001815 (0xFF67F057)
YUV	181.5950, -46.6353, -68.9278
Hunter-Lab	81.1738, -57.4507, 42.4272

Details

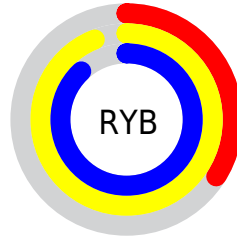
The XYZ color **38.4739, 65.8919, 19.7074** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **49.8807, 28.9574, 85.4020**, and the grayscale version is **44.5028, 46.8204, 50.9874**.

A 20% lighter version of the original color is **56.1595, 81.4723, 38.3570**, and **17.4084, 34.0903, 6.6398** is the 20% darker color. If you saturate the color by 10%, you get **35.4959, 64.4537, 15.2732**, and if you desaturate by 10%, it is **42.4144, 67.7925, 25.8902**.

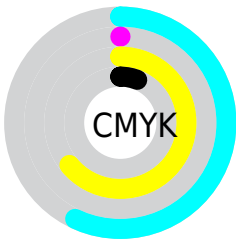
Distribution



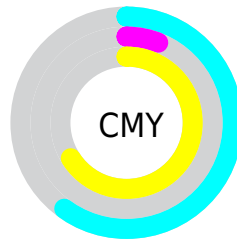
- Red (40%)
- Green (94%)
- Blue (34%)



- Red (34%)
- Yellow (94%)
- Blue (88%)



- Cyan (57%)
- Magenta (0%)
- Yellow (64%)
- Black (6%)





- Cyan (60%)
- Magenta (6%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4739, 65.8919, 19.7074 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 38.4739, 65.8919, 19.7074 by changing the saturation by 10% instead.


 38.4739, 65.8919,
19.7074


 38.4739, 65.8919,
19.7074


330.8943,
445.9902, 262.8783


 26.5296, 48.1847,
12.0006


 72.1332, 113.3312,
43.7786


 17.3550, 33.9731,
6.6215


 94.5788, 143.8320,
60.9800

 10.5848, 22.8730,
3.1517


 121.2556,
179.3661, 82.1834

 5.8536, 14.4997,
1.1726

 152.5289,
220.3179, 107.8072

 2.7961, 8.4691,
0.0000

188.7641,
267.0719, 138.2701

 1.0469, 4.3965,
0.0000

230.3265,

 0.0000, 1.8978,

320.0123, 173.9905

0.0000

277.5814,
379.5236, 215.3871

■ 0.0000, 0.5470,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.4739, 65.8919,
19.7074

■ 38.4739, 65.8919,
19.7074

■ 35.4959, 64.4537,
15.2732

■ 42.4144, 67.7925,
25.8902

■ 33.3923, 63.4306,
12.4032


■ 47.3860, 70.1817,
33.9726


■ 32.0666, 62.7795,
10.8796


■ 53.4567, 73.0935,
44.0946


■ 31.5646, 62.5307,
10.4060

■ 60.6870, 76.5564,
56.3816

 69.1333, 80.5970,
70.9489

 78.8481, 85.2399,
87.9039

 89.8796, 90.5081,
107.3404

 90.4515, 90.8029,
107.3672

Harmonies

Analogous

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



52.0454, 65.8919, 9.4917



38.4739, 65.8919, 19.7074



32.0879, 65.8919, 49.6158

Triad

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



38.4739, 65.8919, 19.7074



54.3305, 65.8919, 241.9164



107.1918, 65.8919, 44.1246

Complementary

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



38.4739, 65.8919, 19.7074



49.8807, 28.9574, 85.4020

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.



108.1718, 65.8919, 99.6349



38.4739, 65.8919, 19.7074



74.5564, 65.8919, 237.5459

Square

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



38.4739, 65.8919, 19.7074



39.8378, 65.8919, 186.4169



95.2272, 65.8919, 176.5008



92.7818, 65.8919, 17.5350

Rectangle

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



38.4739, 65.8919, 19.7074



31.6358, 65.8919, 85.9702



95.2272, 65.8919, 176.5008



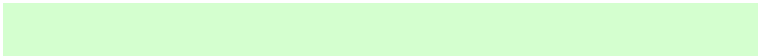
109.1962, 65.8919, 59.1826

Sweetspot

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



38.4755, 65.8947, 19.7089



74.0081, 89.9430, 72.2035



63.8196, 71.5390, 19.4625



15.2608, 18.9740, 14.4567



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.



38.4755, 65.8947, 19.7089



40.0407, 73.6289, 16.5446



40.2538, 66.4139, 37.7510



15.7192, 17.7354, 16.7445



17.3299, 34.2554, 5.6986



1.4924, 2.8759, 0.4764

Inverse Universe

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



49.8807, 28.9574, 85.4020



53.9042, 28.1966, 97.2092



47.7222, 28.6940, 46.9303



16.2820, 15.9426, 19.9407



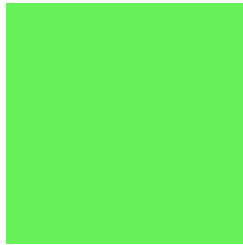
24.0035, 11.3796, 46.0592



2.0433, 0.9706, 3.8339

Previews

White Background



This preview shows how the XYZ color 38.4739, 65.8919, 19.7074 looks on a white background.

Color Contrast Check

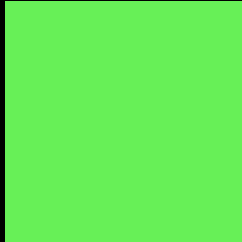
Large Text (above 18pt) WCAG AA × Fail

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 38.4739, 65.8919, 19.7074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

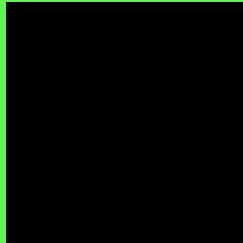
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.4739, 65.8919, 19.7074

Background



This preview shows how black text looks on a background with the XYZ color 38.4739, 65.8919, 19.7074.

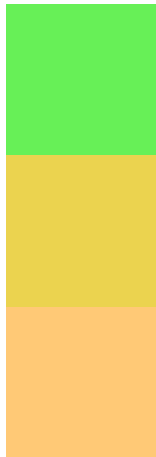


This preview shows how white text looks on a background with the XYZ color 38.4739, 65.8919,

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

38.4739, 65.8919, 19.7074

Protanopia

58.9665, 64.8152, 16.7999

Deuteranopia

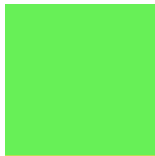
65.3967, 64.3413, 26.1119



Tritanopia

53.4194, 65.6399, 94.6483

Trichromacy



Original Color

38.4739, 65.8919, 19.7074



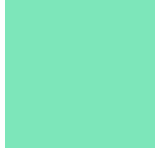
Protanomaly

48.1378, 63.4165, 17.6861



Deuteranomaly

50.7737, 61.9418, 23.1898



Tritanomaly

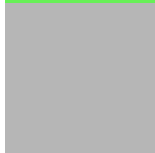
45.6172, 64.4988, 56.4996

Monochromacy



Original Color

38.4739, 65.8919, 19.7074



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

39.7593, 51.5908, 35.4662

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4739, 65.8919, 19.7074 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(103, 240, 87)` looks like.

```
.text, #text, p{  
    color:rgb(103, 240, 87)  
}
```

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(103, 240, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 240, 87) }
```

Border

The CSS property to change the border of an element to XYZ 38.4739, 65.8919, 19.7074 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(103, 240, 87) }
```


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

```
.border{ border-color:rgb(103, 240, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 240, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 240, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 240, 87);  
box-shadow:4px 4px 4px 4px rgb(103, 240,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4739, 65.8919, 19.7074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 240, 87) }
```

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

```
.background{ background-color: rgb(103,  
240, 87) }
```

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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