

Converting Colors

XYZ(38.0495, 66.9210, 15.7546)

Have a look what the booklet for
XYZ(38.0495, 66.9210, 15.7546)
contains.

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Color

**XYZ(38.1216, 67.1240,
15.7975)**

Conversions

Conversions Part 1

Format	Color
Hex	63F340
RGB	99, 243, 64
RGB Percent	39%, 95%, 25%
CMY	0.6118, 0.0470, 0.7490
CMYK	0.59, 0.00, 0.74, 0.05
HSL	108°, 88%, 60%
HSV	108°, 74%, 95%
XYZ	38.1216, 67.1240, 15.7975
YIQ	179.5380, -28.3650, -86.1970

Conversions

Conversions Part 2

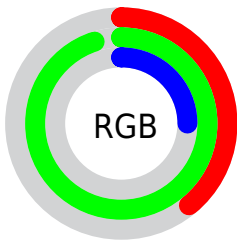
Format	Color
RYB	64, 243, 208
Decimal	6550336
CIELab	85.57, -69.05, 70.02
CIELCh	86, 98.342, 134.600
Yxy	67.1240, 0.3149, 0.5545
Android (android.graphics.Color)	4284740416 (0xFF63F340)
YUV	179.5380, -56.9602, -70.6318
Hunter-Lab	81.9292, -60.3203, 45.9182

Details

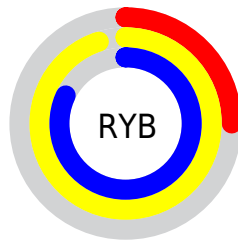
The XYZ color **38.1216, 67.1240, 15.7975** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **44.0278, 23.5505, 87.0228**, and the grayscale version is **43.4428, 45.7052, 49.7730**.

A 20% lighter version of the original color is **54.3771, 80.7117, 31.1253**, and **17.3490, 34.6979, 5.7830** is the 20% darker color. If you saturate the color by 10%, you get **35.6920, 65.9368, 12.8273**, and if you desaturate by 10%, it is **41.3723, 68.7038, 20.3800**.

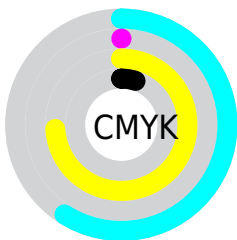
Distribution



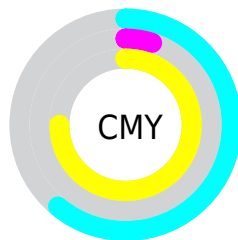
- Red (39%)
- Green (95%)
- Blue (25%)



- Red (25%)
- Yellow (95%)
- Blue (82%)



- Cyan (59%)
- Magenta (0%)
- Yellow (74%)
- Black (5%)





- Cyan (61%)
- Magenta (5%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1216, 67.1240, 15.7975 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 38.1216, 67.1240, 15.7975 by changing the saturation by 10% instead.


 38.1216, 67.1240,
15.7975


 38.1216, 67.1240,
15.7975


329.4132,
450.3860, 239.9486

 26.2547, 49.1854,
9.2282


 71.5972, 115.0981,
37.0082

 17.1480, 34.7666,
4.7915


 93.9366, 145.9023,
52.4866

 10.4360, 23.4831,
2.0688


 120.4976,
181.7640, 71.7718

 5.7535, 14.9506,
0.5971

 151.6454,
223.0673, 95.2824

 2.7350, 8.7848,
0.0000

 187.7456,
270.1968, 123.4368

 1.0152, 4.6011,
0.0000

229.1633,

 0.0000, 2.0151,

323.5368, 156.6536

0.0000

276.2641,
383.4718, 195.3514

0.0000, 0.6162,
0.0000

0.0000, 0.0000,
0.0000

38.1216, 67.1240,
15.7975

38.1216, 67.1240,
15.7975

35.6920, 65.9368,
12.8273

41.3723, 68.7038,
20.3800

33.9986, 65.0972,
11.2404

45.5083, 70.6992,
26.7550

33.2477, 64.7204,
10.7399

50.5925, 73.1411,
35.0836

56.6803, 76.0551,
45.5075

■ 63.8231, 79.4648,
58.1557

■ 72.0685, 83.3921,
73.1464

■ 81.4610, 87.8578,
90.5897

■ 91.3420, 92.5839,
107.6640

Harmonies

Analogous

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



53.5635, 67.1240, 6.9549



38.1216, 67.1240, 15.7975



30.6772, 67.1240, 45.0223

Triad

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



38.1216, 67.1240, 15.7975



53.0496, 67.1240, 267.6738



115.1056, 67.1240, 46.2343

Complementary

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



38.1216, 67.1240, 15.7975



44.0278, 23.5505, 87.0228

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.



114.8756, 67.1240, 110.9035



38.1216, 67.1240, 15.7975



75.2625, 67.1240, 268.7315

Square

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



38.1216, 67.1240, 15.7975



37.8215, 67.1240, 198.1201



99.0005, 67.1240, 200.4910



99.5701, 67.1240, 16.2390

Rectangle

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



38.1216, 67.1240, 15.7975



29.8229, 67.1240, 83.4141



99.0005, 67.1240, 200.4910



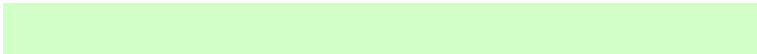
116.9679, 67.1240, 63.6488

Sweetspot

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



38.1232, 67.1268, 15.7990



72.5978, 89.3210, 67.3864



60.2519, 64.1508, 14.0582



15.0381, 18.8796, 13.5237



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.



38.1232, 67.1268, 15.7990



38.8624, 73.0914, 13.3286



37.4193, 66.4952, 27.9108



16.5846, 18.6279, 17.5190



18.3318, 35.5632, 5.8982



1.6903, 3.1664, 0.5221

Inverse Universe

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



44.0278, 23.5505, 87.0228



45.4311, 22.0474, 96.4688



48.0160, 26.4105, 50.8850



16.8776, 16.5951, 20.8562



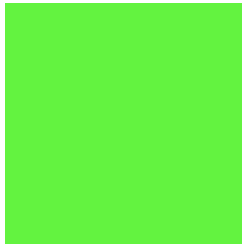
21.4122, 10.0127, 47.3421



1.9612, 0.9209, 4.1646

Previews

White Background



This preview shows how the XYZ color 38.1216, 67.1240, 15.7975 looks on a white background.

Color Contrast Check

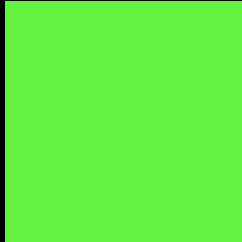
Large Text (above 18pt) WCAG AA × Fail

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 38.1216, 67.1240, 15.7975 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

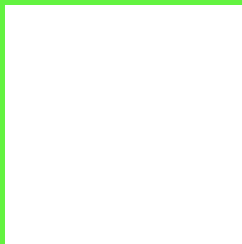
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.1216, 67.1240, 15.7975

Background



This preview shows how black text looks on a background with the XYZ color 38.1216, 67.1240, 15.7975.

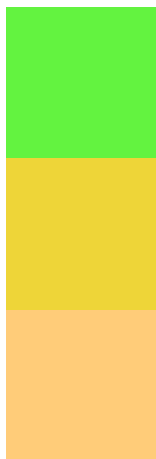


This preview shows how white text looks on a background with the XYZ color 38.1216, 67.1240,

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

38.1216, 67.1240, 15.7975

Protanopia

59.7680, 66.0512, 13.3404

Deuteranopia

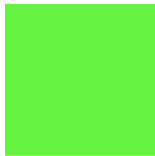
66.2841, 65.8262, 27.3013



Tritanopia

54.1039, 66.7650, 96.4216

Trichromacy



Original Color

38.1216, 67.1240, 15.7975



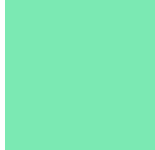
Protanomaly

47.9386, 64.1919, 14.0013



Deuteranomaly

50.6604, 63.0687, 21.5600



Tritanomaly

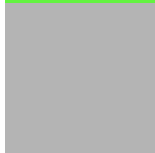
45.4440, 65.7435, 52.9424

Monochromacy



Original Color

38.1216, 67.1240, 15.7975



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

38.7059, 51.1262, 31.8731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1216, 67.1240, 15.7975 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(99, 243, 64)` looks like.

```
.text, #text, p{  
    color:rgb(99, 243, 64)  
}
```

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(99, 243, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 243, 64) }
```

Border

The CSS property to change the border of an element to XYZ 38.1216, 67.1240, 15.7975 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(99, 243, 64) }
```


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

```
.border{ border-color:rgb(99, 243, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 243, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 243, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 243, 64);  
box-shadow:4px 4px 4px 4px rgb(99, 243,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1216, 67.1240, 15.7975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 243, 64) }
```

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

```
.background{ background-color: rgb(99, 243,  
64) }
```

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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