

Converting Colors

XYZ(38.4004, 67.0285, 26.8355)

Have a look what the booklet for
XYZ(38.4004, 67.0285, 26.8355)
contains.

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Color

**XYZ(38.3961, 67.0216,
26.8324)**

Conversions

Conversions Part 1

Format	Color
Hex	50F372
RGB	80, 243, 114
RGB Percent	31%, 95%, 45%
CMY	0.6863, 0.0470, 0.5529
CMYK	0.67, 0.00, 0.53, 0.05
HSL	133°, 87%, 63%
HSV	133°, 67%, 95%
XYZ	38.3961, 67.0216, 26.8324
YIQ	179.5570, -55.7390, -74.6750

Conversions

Conversions Part 2

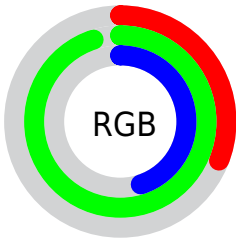
Format	Color
R _{YB}	80, 215, 243
Decimal	5305202
CIE Lab	85.51, -67.95, 49.64
CIE LCh	86, 84.145, 143.851
Yxy	67.0216, 0.2903, 0.5068
Android (android.graphics.Color)	4283495282 (0xFF50F372)
YUV	179.5570, -32.3196, -87.3115
Hunter-Lab	81.8667, -59.5489, 37.8740

Details

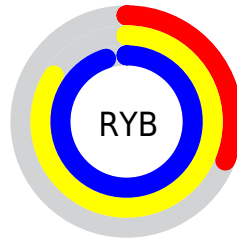
The XYZ color **38.3961, 67.0216, 26.8324** is a light color, and the websafe version is hex **66FF66**. The color can be described as light muted spring green. A complement of this color would be **51.3412, 29.3965, 63.2908**, and the grayscale version is **43.3354, 45.5922, 49.6499**.

A 20% lighter version of the original color is **54.6819, 80.4581, 49.6937**, and **18.1913, 35.0348, 10.2185** is the 20% darker color. If you saturate the color by 10%, you get **35.7213, 65.7581, 21.5822**, and if you desaturate by 10%, it is **42.0458, 68.7649, 33.3324**.

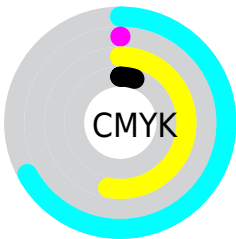
Distribution



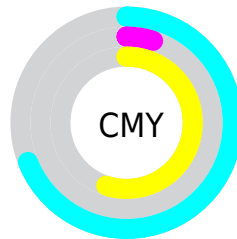
- Red (31%)
- Green (95%)
- Blue (45%)



- Red (31%)
- Yellow (84%)
- Blue (95%)



- Cyan (67%)
- Magenta (0%)
- Yellow (53%)
- Black (5%)





- Cyan (69%)
- Magenta (5%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.3961, 67.0216, 26.8324 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 38.3961, 67.0216, 26.8324 by changing the saturation by 10% instead.


 38.3961, 67.0216,
26.8324


 38.3961, 67.0216,
26.8324


330.5676,
450.0217, 300.5792


 26.4689, 49.1022,
17.2161


 72.0148, 114.9514,
55.6153


 17.3092, 34.7005,
10.2251


 94.4371, 145.7305,
75.6189

 10.5519, 23.4323,
5.4409

 121.0883,
181.5650, 99.9220

 5.8314, 14.9130,
2.4450

 152.3340,
222.8392, 128.9432

 2.7825, 8.7584,
0.8108

188.5394,
269.9376, 163.1009

 1.0398, 4.5839,
0.0000

230.0699,

 0.0000, 2.0053,

323.2446, 202.8138

0.0000

277.2909,
383.1444, 248.5004

0.0000, 0.6105,
0.0000

0.0000, 0.0000,
0.0000

38.3961, 67.0216,
26.8324

38.3961, 67.0216,
26.8324

35.7213, 65.7581,
21.5822

42.0458, 68.7649,
33.3324

33.9177, 64.9169,
17.4967


46.7506, 71.0222,
41.1511


32.8622, 64.4382,
14.4870


52.5877, 73.8336,
50.3573

32.6427, 64.3402,
13.7948

59.6258, 77.2333,
61.0142

 67.9277, 81.2524,
73.1807

 77.5520, 85.9199,
86.9126

 88.5537, 91.2631,
102.2628

 91.3419, 92.5839,
107.6640

Harmonies

Analogous

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



49.9671, 67.0216, 12.8362



38.3961, 67.0216, 26.8324



33.7040, 67.0216, 62.2726

Triad

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



38.3961, 67.0216, 26.8324



59.8463, 67.0216, 235.6088



103.5719, 67.0216, 38.1531

Complementary

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



38.3961, 67.0216, 26.8324



51.3412, 29.3965, 63.2908

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.



107.6723, 67.0216, 84.8386



38.3961, 67.0216, 26.8324



79.7481, 67.0216, 217.7663

Square

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



38.3961, 67.0216, 26.8324



44.3898, 67.0216, 195.2260



98.2241, 67.0216, 154.3313



87.9324, 67.0216, 16.7104

Rectangle

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



38.3961, 67.0216, 26.8324



34.2679, 67.0216, 101.1839



98.2241, 67.0216, 154.3313



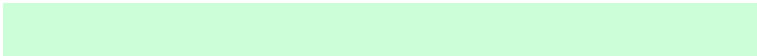
106.4604, 67.0216, 50.5666

Sweetspot

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



38.3977, 67.0244, 26.8339



72.8812, 89.2451, 77.4316



60.1934, 78.4440, 19.5583



15.0357, 18.8291, 15.7485



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.



38.3977, 67.0244, 26.8339



39.1257, 73.0240, 22.5181



45.1095, 69.7091, 62.1775



16.4236, 18.5286, 18.2490



17.9539, 35.3264, 7.7772



1.6138, 3.1192, 0.8724

Inverse Universe

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



51.3412, 29.3965, 63.2908



54.3638, 28.4036, 65.1994



43.7884, 26.3753, 23.5178



17.0569, 16.7056, 20.0461



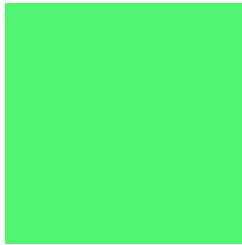
25.5777, 12.5745, 28.8141



2.2843, 1.1197, 2.7236

Previews

White Background



This preview shows how the XYZ color 38.3961, 67.0216, 26.8324 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 38.3961, 67.0216, 26.8324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

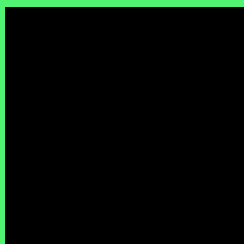
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

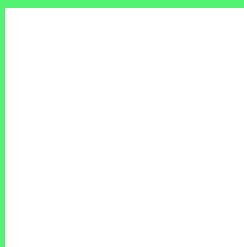
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.3961, 67.0216, 26.8324

Background



This preview shows how black text looks on a background with the XYZ color 38.3961, 67.0216, 26.8324.

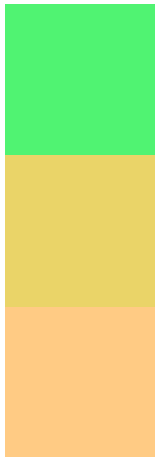


This preview shows how white text looks on a background with the XYZ color 38.3961, 67.0216,

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

38.3961, 67.0216, 26.8324

Protanopia

59.9739, 65.5789, 22.5937

Deuteranopia

66.7608, 65.6378, 30.9805



Tritanopia

52.5535, 66.7471, 98.1093

Trichromacy



Original Color

38.3961, 67.0216, 26.8324



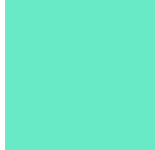
Protanomaly

47.4545, 63.3230, 23.9088



Deuteranomaly

50.2589, 62.6998, 28.8554



Tritanomaly

45.5573, 65.9724, 64.3657

Monochromacy



Original Color

38.3961, 67.0216, 26.8324



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

38.8583, 51.0415, 39.2564

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3961, 67.0216, 26.8324 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(80, 243, 114)` looks like.

```
.text, #text, p{  
    color:rgb(80, 243, 114)  
}
```

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(80, 243, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 243, 114) }
```

Border

The CSS property to change the border of an element to XYZ 38.3961, 67.0216, 26.8324 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(80, 243, 114) }
```


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

```
.border{ border-color:rgb(80, 243, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 243, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 243, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 243, 114);  
box-shadow:4px 4px 4px 4px rgb(80, 243,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3961, 67.0216, 26.8324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 243, 114) }
```

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

```
.background{ background-color: rgb(80, 243,  
114) }
```

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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