

Converting Colors

XYZ(38.0772, 66.0352, 22.4330)

Have a look what the booklet for
XYZ(38.0772, 66.0352, 22.4330)
contains.

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Color

**XYZ(38.1211, 66.0868,
22.5512)**

Conversions

Conversions Part 1

Format	Color
Hex	5CF163
RGB	92, 241, 99
RGB Percent	36%, 95%, 39%
CMY	0.6392, 0.0549, 0.6117
CMYK	0.62, 0.00, 0.59, 0.05
HSL	123°, 84%, 65%
HSV	123°, 62%, 95%
XYZ	38.1211, 66.0868, 22.5512
YIQ	180.2610, -43.2220, -75.7500

Conversions

Conversions Part 2

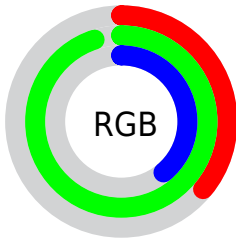
Format	Color
R_{YB}	92, 234, 241
Decimal	6091107
CIE _{Lab}	85.04, -66.79, 55.88
CIE _{LCh}	85, 87.079, 140.083
Yxy	66.0868, 0.3007, 0.5214
Android (android.graphics.Color)	4284281187 (0xFF5CF163)
YUV	180.2610, -40.0617, -77.4049
Hunter-Lab	81.2938, -58.5601, 40.4584

Details

The XYZ color **38.1211, 66.0868, 22.5512** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted spring green. A complement of this color would be **54.9559, 32.2967, 81.1804**, and the grayscale version is **43.7495, 46.0279, 50.1244**.

A 20% lighter version of the original color is **55.3030, 80.9210, 43.2764**, and **17.5951, 34.4628, 8.1075** is the 20% darker color. If you saturate the color by 10%, you get **35.1394, 64.6609, 17.4729**, and if you desaturate by 10%, it is **42.1837, 68.0377, 29.3125**.

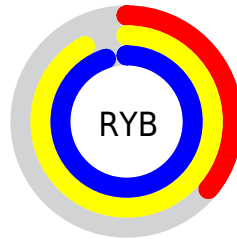
Distribution



Red (36%)

Green (95%)

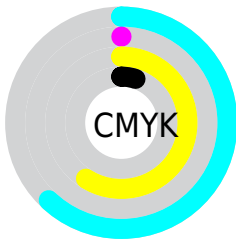
Blue (39%)



Red (36%)

Yellow (92%)

Blue (95%)

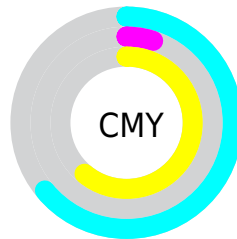


Cyan (62%)

Magenta (0%)

Yellow (59%)

Black (5%)



Cyan (64%)


Magenta (5%)


Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.1211, 66.0868, 22.5512 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 38.1211, 66.0868, 22.5512 by changing the saturation by 10% instead.


 38.1211, 66.0868,
22.5512


 38.1211, 66.0868,
22.5512


329.4111,
446.6872, 278.4582

 26.2543, 48.3429,
14.0603


 71.5964, 113.6109,
48.5692


 17.1477, 34.0985,
8.0234


 93.9357, 144.1599,
66.9333

 10.4358, 22.9693,
4.0219


 120.4965,
179.7460, 89.4256

 5.7533, 14.5708,
1.6374

 151.6442,
220.7536, 116.4645

 2.7349, 8.5187,
0.3173

187.7441,
267.5671, 148.4688

 1.0152, 4.4286,
0.0000

229.1617,

 0.0000, 1.9161,

320.5710, 185.8568

0.0000

276.2622,
380.1496, 229.0471

■ 0.0000, 0.5580,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.1211, 66.0868,
22.5512

■ 38.1211, 66.0868,
22.5512

■ 35.1394, 64.6609,
17.4729

■ 42.1837, 68.0377,
29.3125

■ 33.1310, 63.7020,
13.9260


■ 47.4121, 70.5487,
37.8820


■ 31.9747, 63.1531,
11.7396


■ 53.8882, 73.6617,
48.3785

■ 31.5189, 62.9382,
10.8137

■ 61.6853, 77.4120,
60.9090

 70.8709, 81.8322,
75.5731

 81.5079, 86.9530,
92.4635

 90.7466, 91.3933,
107.4655

Harmonies

Analogous

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



50.7440, 66.0868, 10.7454



38.1211, 66.0868, 22.5512



32.5293, 66.0868, 54.9273

Triad

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



38.1211, 66.0868, 22.5512



56.5454, 66.0868, 239.1760



105.2607, 66.0868, 40.9011

Complementary

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



38.1211, 66.0868, 22.5512



54.9559, 32.2967, 81.1804

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.



107.7173, 66.0868, 92.1870



38.1211, 66.0868, 22.5512



76.6595, 66.0868, 228.3231

Square

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



38.1211, 66.0868, 22.5512



41.6060, 66.0868, 190.4995



96.3687, 66.0868, 165.7806



90.2247, 66.0868, 16.8710

Rectangle

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



38.1211, 66.0868, 22.5512



32.5415, 66.0868, 92.5495



96.3687, 66.0868, 165.7806



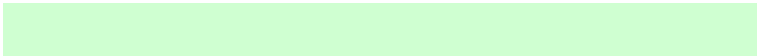
107.6903, 66.0868, 54.6714

Sweetspot

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



38.1227, 66.0896, 22.5527



72.8538, 89.3156, 73.6092



67.9930, 81.5253, 22.2778



14.9887, 18.8261, 14.7873



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.



38.1227, 66.0896, 22.5527



39.3028, 73.1990, 18.7443



43.2659, 68.1468, 49.6365



15.5960, 17.6684, 16.8955



17.1048, 34.1339, 5.9348



1.4335, 2.8438, 0.5491

Inverse Universe

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



54.9559, 32.2967, 81.1804



59.8605, 31.8535, 90.2879



46.5848, 28.9482, 37.0988



16.4203, 16.0178, 19.7695



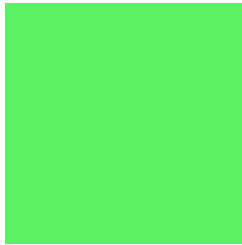
27.4065, 13.2350, 41.6527



2.2898, 1.1050, 3.5169

Previews

White Background



This preview shows how the XYZ color 38.1211, 66.0868, 22.5512 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 38.1211, 66.0868, 22.5512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

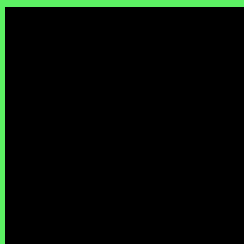
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

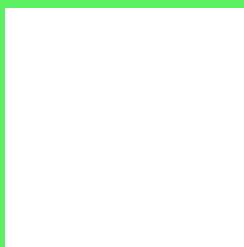
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.1211, 66.0868, 22.5512

Background



This preview shows how black text looks on a background with the XYZ color 38.1211, 66.0868, 22.5512.



This preview shows how white text looks on a background with the XYZ color 38.1211, 66.0868,

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

38.1211, 66.0868, 22.5512

Protanopia

59.0714, 64.8191, 19.0708

Deuteranopia

65.6395, 64.4384, 27.3906



Tritanopia

52.5788, 65.5915, 95.4772

Trichromacy



Original Color

38.1211, 66.0868, 22.5512



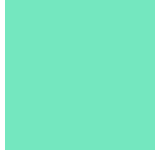
Protanomaly

47.3885, 62.9779, 20.0143



Deuteranomaly

50.3581, 62.0624, 25.2447



Tritanomaly

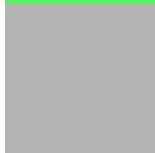
45.1823, 64.6264, 59.3830

Monochromacy



Original Color

38.1211, 66.0868, 22.5512



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

38.9192, 50.7713, 37.0267

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1211, 66.0868, 22.5512 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(92, 241, 99)` looks like.

```
.text, #text, p{  
    color:rgb(92, 241, 99)  
}
```

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(92, 241, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 241, 99) }
```

Border

The CSS property to change the border of an element to XYZ 38.1211, 66.0868, 22.5512 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(92, 241, 99) }
```


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

```
.border{ border-color:rgb(92, 241, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 241, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 241, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 241, 99);  
box-shadow:4px 4px 4px 4px rgb(92, 241,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1211, 66.0868, 22.5512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 241, 99) }
```

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

```
.background{ background-color: rgb(92, 241,  
99) }
```

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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