

Converting Colors

XYZ(38.1499, 67.5702, 30.4208)

Have a look what the booklet for
XYZ(38.1499, 67.5702, 30.4208)
contains.

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Color

**XYZ(38.2176, 67.7461,
30.4641)**

Conversions

Conversions Part 1

Format	Color
Hex	3CF57D
RGB	60, 245, 125
RGB Percent	24%, 96%, 49%
CMY	0.7647, 0.0392, 0.5098
CMYK	0.76, 0.00, 0.49, 0.04
HSL	141°, 90%, 60%
HSV	141°, 76%, 96%
XYZ	38.2176, 67.7461, 30.4641
YIQ	176.0050, -71.7400, -76.5400

Conversions

Conversions Part 2

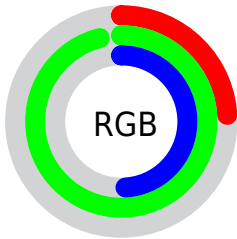
Format	Color
RYB	60, 197, 245
Decimal	3995005
CIELab	85.88, -70.09, 44.84
CIELCh	86, 83.209, 147.389
Yxy	67.7461, 0.2801, 0.4966
Android (android.graphics.Color)	4282185085 (0xFF3CF57D)
YUV	176.0050, -25.1455, -101.7364
Hunter-Lab	82.3080, -61.1572, 35.6710

Details

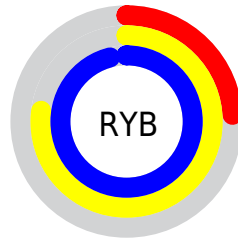
The XYZ color **38.2176, 67.7461, 30.4641** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **47.5124, 25.9409, 45.6856**, and the grayscale version is **41.4250, 43.5823, 47.4611**.

A 20% lighter version of the original color is **53.5695, 79.7612, 55.2199**, and **18.9729, 36.0217, 12.2562** is the 20% darker color. If you saturate the color by 10%, you get **36.1303, 66.7800, 25.4850**, and if you desaturate by 10%, it is **41.1551, 69.1355, 36.3340**.

Distribution



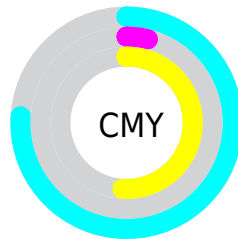
- Red (24%)
- Green (96%)
- Blue (49%)



- Red (24%)
- Yellow (77%)
- Blue (96%)



- Cyan (76%)
- Magenta (0%)
- Yellow (49%)
- Black (4%)





- Cyan (76%)
- Magenta (4%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.2176, 67.7461, 30.4641 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 38.2176, 67.7461, 30.4641 by changing the saturation by 10% instead.


 38.2176, 67.7461,
30.4641


 38.2176, 67.7461,
30.4641

329.8172,
452.5959, 318.3362


 26.3296, 49.6912,
19.9361


 71.7433, 115.9888,
61.4650


 17.2044, 35.1681,
12.1650


 94.1117, 146.9455,
82.7750

 10.4765, 23.7924,
6.7322


 120.7043,
182.9715, 108.5160

 5.7807, 15.1797,
3.2193

 151.8864,
224.4513, 139.1067

 2.7516, 8.9456,
1.2077

188.0234,
271.7692, 174.9655

 1.0238, 4.7057,
0.0000

229.4806,

 0.0000, 2.0756,

325.3097, 216.5110

0.0000

276.6234,
385.4571, 264.1617

■ 0.0000, 0.6509,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.2176, 67.7461,
30.4641

■ 38.2176, 67.7461,
30.4641

■ 36.1303, 66.7800,
25.4850

■ 41.1551, 69.1355,
36.3340


■ 34.7772, 66.1727,
21.3465


■ 45.0287, 70.9859,
43.1318


■ 34.3367, 65.9805,
19.7471


■ 49.9184, 73.3399,
50.8981

■ 55.8943, 76.2326,
59.6696

 63.0198, 79.6961,
69.4808

 71.3533, 83.7599,
80.3649

 80.9492, 88.4514,
92.3533

 91.4868, 93.6046,
105.4587

 91.9437, 93.7873,
107.8646

Harmonies

Analogous

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



48.9774, 67.7461, 14.3468



38.2176, 67.7461, 30.4641



34.3102, 67.7461, 69.0903

Triad

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



38.2176, 67.7461, 30.4641



62.7374, 67.7461, 235.8554



102.6653, 67.7461, 35.2858

Complementary

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



38.2176, 67.7461, 30.4641



47.5124, 25.9409, 45.6856

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.



108.3136, 67.7461, 78.6438



38.2176, 67.7461, 30.4641



82.7393, 67.7461, 211.4800

Square

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



38.2176, 67.7461, 30.4641



46.6098, 67.7461, 201.9871



100.4061, 67.7461, 145.9107



86.2004, 67.7461, 16.0106

Rectangle

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



38.2176, 67.7461, 30.4641



35.3959, 67.7461, 109.7366



100.4061, 67.7461, 145.9107



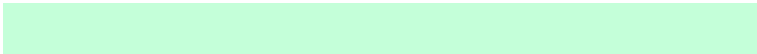
106.0178, 67.7461, 46.6616

Sweetspot

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



38.2193, 67.7489, 30.4656



71.1348, 88.3102, 78.9123



52.3510, 75.3674, 16.0637



14.5639, 18.5797, 16.0069



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.



38.2193, 67.7489, 30.4656



38.6354, 72.7108, 25.2232



47.0749, 71.2911, 77.0986



16.5226, 18.5682, 18.7705



18.5564, 35.5674, 10.9497



1.6778, 3.1448, 1.2091

Inverse Universe

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



47.5124, 25.9409, 45.6856



49.1338, 24.9062, 41.9918



41.0250, 23.3459, 11.5232



16.9519, 16.6636, 19.4935



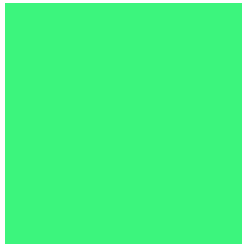
23.7218, 11.8322, 19.0414



2.1335, 1.0594, 1.9294

Previews

White Background



This preview shows how the XYZ color 38.2176, 67.7461, 30.4641 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 38.2176, 67.7461, 30.4641 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 38.2176, 67.7461, 30.4641

Background



This preview shows how black text looks on a background with the XYZ color 38.2176, 67.7461, 30.4641.



This preview shows how white text looks on a background with the XYZ color 38.2176, 67.7461,

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

38.2176, 67.7461, 30.4641

Protanopia

60.7632, 66.2958, 25.5134

Deuteranopia

67.4931, 66.3098, 33.6679



Tritanopia

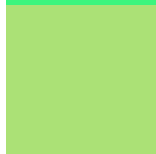
52.0156, 67.2421, 100.6800

Trichromacy



Original Color

38.2176, 67.7461, 30.4641



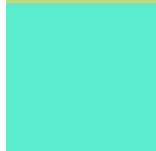
Protanomaly

46.9898, 63.8164, 26.9807



Deuteranomaly

49.4018, 62.5746, 32.0286



Tritanomaly

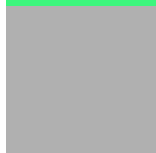
45.3293, 66.6228, 68.2280

Monochromacy



Original Color

38.2176, 67.7461, 30.4641



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

36.8040, 49.2759, 39.4697

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2176, 67.7461, 30.4641 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(60, 245, 125)` looks like.

```
.text, #text, p{  
    color:rgb(60, 245, 125)  
}
```

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(60, 245, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 245, 125) }
```

Border

The CSS property to change the border of an element to XYZ 38.2176, 67.7461, 30.4641 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(60, 245, 125) }
```


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

```
.border{ border-color:rgb(60, 245, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 245, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 245, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 245, 125);  
box-shadow:4px 4px 4px 4px rgb(60, 245,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2176, 67.7461, 30.4641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 245, 125) }
```

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

```
.background{ background-color: rgb(60, 245,  
125) }
```

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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