

Converting Colors

XYZ(38.2014, 63.7782, 24.8767)

Have a look what the booklet for
XYZ(38.2014, 63.7782, 24.8767)
contains.

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Color

**XYZ(38.2353, 63.9198,
24.7906)**

Conversions

Conversions Part 1

Format	Color
Hex	66EC6D
RGB	102, 236, 109
RGB Percent	40%, 93%, 43%
CMY	0.6000, 0.0745, 0.5725
CMYK	0.57, 0.00, 0.54, 0.07
HSL	123°, 78%, 66%
HSV	123°, 57%, 93%
XYZ	38.2353, 63.9198, 24.7906
YIQ	181.4560, -39.0970, -67.9050

Conversions

Conversions Part 2

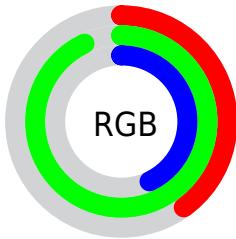
Format	Color
RYB	102, 229, 236
Decimal	6745197
CIELab	83.92, -61.61, 50.16
CIElCh	84, 79.442, 140.849
Yxy	63.9198, 0.3012, 0.5035
Android (android.graphics.Color)	4284935277 (0xFF66EC6D)
YUV	181.4560, -35.7208, -69.6829
Hunter-Lab	79.9499, -54.5462, 37.5804

Details

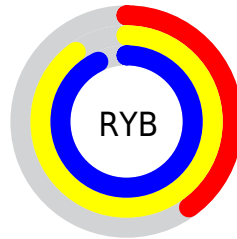
The XYZ color **38.2353, 63.9198, 24.7906** is a dark color, and the websafe version is hex **66FF66**. A complement of this color would be **53.4881, 32.9939, 77.6795**, and the grayscale version is **44.3722, 46.6830, 50.8378**.

A 20% lighter version of the original color is **57.4751, 81.9509, 47.4392**, and **17.2106, 32.7199, 9.1499** is the 20% darker color. If you saturate the color by 10%, you get **34.8770, 62.3123, 19.1284**, and if you desaturate by 10%, it is **42.6642, 66.0476, 32.1046**.

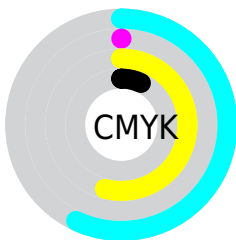
Distribution



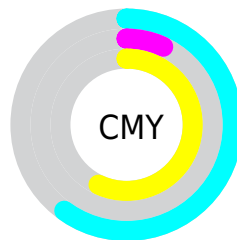
- Red (40%)
- Green (93%)
- Blue (43%)



- Red (40%)
- Yellow (90%)
- Blue (93%)



- Cyan (57%)
- Magenta (0%)
- Yellow (54%)
- Black (7%)




- Cyan (60%)
- Magenta (7%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.2353, 63.9198, 24.7906 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 38.2353, 63.9198, 24.7906 by changing the saturation by 10% instead.


 38.2353, 63.9198,
24.7906


 38.2353, 63.9198,
24.7906


329.8917,
438.9000, 290.2077

 26.3434, 46.5857,
15.7035


 71.7702, 110.4954,
52.2772


 17.2147, 32.7083,
9.1625


 94.1440, 140.5058,
71.5138

 10.4840, 21.9031,
4.7491


 120.7424,
175.5103, 94.9707

 5.7857, 13.7857,
2.0447

 151.9308,
215.8935, 123.0663

 2.7546, 7.9718,
0.5825

188.0746,
262.0396, 156.2193

 1.0254, 4.0769,
0.0000

229.5391,

 0.0000, 1.7167,

314.3331, 194.8482

0.0000

276.6897,
373.1585, 239.3715

■ 0.0000, 0.4344,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.2353, 63.9198,
24.7906

■ 38.2353, 63.9198,
24.7906

■ 34.8770, 62.3123,
19.1284

■ 42.6642, 66.0476,
32.1046

■ 32.4944, 61.1732,
14.9858


■ 48.2390, 68.7264,
41.1807


■ 30.9840, 60.4543,
12.2171


■ 55.0336, 71.9939,
52.1246

■ 30.2140, 60.0913,
10.6467

■ 63.1143, 75.8823,
65.0325

 30.0651, 60.0208,
10.3592

 72.5427, 80.4215,
79.9941

 83.3766, 85.6393,
97.0935

 89.2867, 88.4734,
106.9789

Harmonies

Analogous

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



49.5576, 63.9198, 12.8266



38.2353, 63.9198, 24.7906



33.2413, 63.9198, 55.3810

Triad

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



38.2353, 63.9198, 24.7906



55.5625, 63.9198, 214.4884



97.8964, 63.9198, 40.6483

Complementary

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



38.2353, 63.9198, 24.7906



53.4881, 32.9939, 77.6795

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.



100.3539, 63.9198, 86.0606



38.2353, 63.9198, 24.7906



73.5209, 63.9198, 203.9125

Square

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



38.2353, 63.9198, 24.7906



41.9046, 63.9198, 174.1393



90.7301, 63.9198, 149.7993



84.5466, 63.9198, 18.4519

Rectangle

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



38.2353, 63.9198, 24.7906



33.3571, 63.9198, 89.3368



90.7301, 63.9198, 149.7993



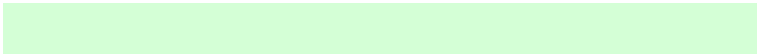
100.1125, 63.9198, 53.0041

Sweetspot

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



38.2369, 63.9225, 24.7920



74.9374, 90.3158, 77.0447



64.8053, 77.6608, 24.1452



15.5985, 19.1190, 15.7878



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.



38.2369, 63.9225, 24.7920



41.0787, 74.0455, 21.9482



43.2835, 65.9411, 51.3670



14.9002, 16.8749, 16.1575



16.5859, 33.0888, 5.7843



1.3137, 2.6028, 0.5135

Inverse Universe

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



53.4881, 32.9939, 77.6795



60.8524, 33.8845, 90.4727



45.8935, 29.9560, 37.6869



15.6788, 15.2994, 18.8600



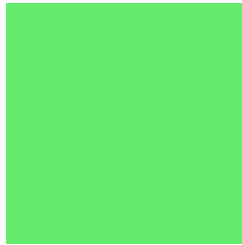
26.4748, 12.7926, 39.8970



2.0894, 1.0087, 3.1879

Previews

White Background



This preview shows how the XYZ color 38.2353, 63.9198, 24.7906 looks on a white background.

Color Contrast Check

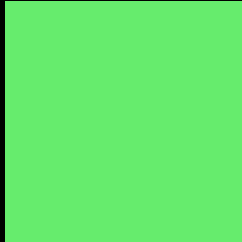
Large Text (above 18pt) WCAG AA × Fail

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 38.2353, 63.9198, 24.7906 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 38.2353, 63.9198, 24.7906

Background



This preview shows how black text looks on a background with the XYZ color 38.2353, 63.9198, 24.7906.

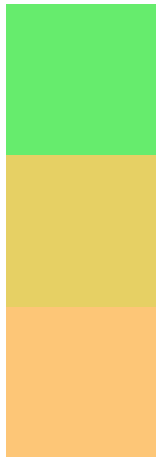


This preview shows how white text looks on a background with the XYZ color 38.2353, 63.9198,

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

38.2353, 63.9198, 24.7906

Protanopia

57.4893, 62.8548, 21.1588

Deuteranopia

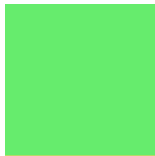
64.0319, 62.6027, 26.1615



Tritanopia

51.5223, 63.5204, 91.9832

Trichromacy



Original Color

38.2353, 63.9198, 24.7906



Protanomaly

47.0480, 61.1894, 22.1630



Deuteranomaly

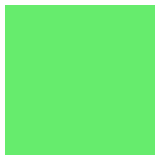
49.9267, 60.3305, 25.2332



Tritanomaly

45.0096, 62.8815, 59.6343

Monochromacy



Original Color

38.2353, 63.9198, 24.7906



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

39.7519, 50.8152, 38.7235

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2353, 63.9198, 24.7906 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(102, 236, 109)` looks like.

```
.text, #text, p{  
    color:rgb(102, 236, 109)  
}
```

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(102, 236, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 236, 109) }
```

Border

The CSS property to change the border of an element to XYZ 38.2353, 63.9198, 24.7906 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(102, 236, 109) }
```


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

```
.border{ border-color:rgb(102, 236, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 236, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 236, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 236, 109);  
box-shadow:4px 4px 4px 4px rgb(102, 236,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2353, 63.9198, 24.7906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 236, 109) }
```

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

```
.background{ background-color: rgb(102,  
236, 109) }
```

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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