

Converting Colors

XYZ(38.1401, 63.0330, 24.0663)

Have a look what the booklet for
XYZ(38.1401, 63.0330, 24.0663)
contains.

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Color

**XYZ(38.1401, 63.0330,
24.0663)**

Conversions

Conversions Part 1

Format	Color
Hex	6BEA6B
RGB	107, 234, 107
RGB Percent	42%, 92%, 42%
CMY	0.5804, 0.0823, 0.5804
CMYK	0.54, 0.00, 0.54, 0.08
HSL	120°, 75%, 67%
HSV	120°, 54%, 92%
XYZ	38.1401, 63.0330, 24.0663
YIQ	181.5490, -34.9250, -66.4210

Conversions

Conversions Part 2

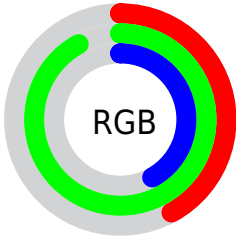
Format	Color
RYB	107, 234, 234
Decimal	7072363
CIELab	83.46, -59.91, 50.56
CIELCh	83, 78.393, 139.840
Yxy	63.0330, 0.3045, 0.5033
Android (android.graphics.Color)	4285262443 (0xFF6BEA6B)
YUV	181.5490, -36.7527, -65.3795
Hunter-Lab	79.3933, -53.1879, 37.6029

Details

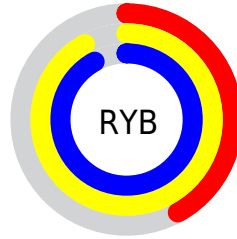
The XYZ color **38.1401, 63.0330, 24.0663** is a dark color, and the websafe version is hex **66FF66**. A complement of this color would be **54.0425, 33.9494, 81.5479**, and the grayscale version is **44.4266, 46.7402, 50.9001**.

A 20% lighter version of the original color is **58.1294, 82.3087, 46.5416**, and **17.1509, 32.1039, 8.7828** is the 20% darker color. If you saturate the color by 10%, you get **34.6293, 61.3485, 18.3226**, and if you desaturate by 10%, it is **42.7481, 65.2484, 31.6025**.

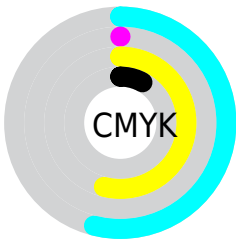
Distribution



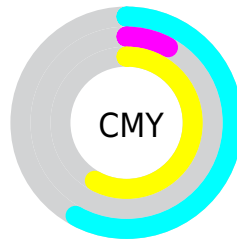
- Red (42%)
- Green (92%)
- Blue (42%)



- Red (42%)
- Yellow (92%)
- Blue (92%)



- Cyan (54%)
- Magenta (0%)
- Yellow (54%)
- Black (8%)



- Cyan (58%)
- Magenta (8%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.1401, 63.0330, 24.0663 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 38.1401, 63.0330, 24.0663 by changing the saturation by 10% instead.

■ 38.1401, 63.0330,
24.0663

■ 38.1401, 63.0330,
24.0663

329.4911,
435.6892, 286.4528

■ 26.2691, 45.8679,
15.1702

■ 71.6253, 109.2171,
51.0836

■ 17.1588, 32.1416,
8.7909

■ 93.9703, 139.0049,
70.0418

■ 10.4438, 21.4697,
4.5101

■ 120.5374,
173.7691, 93.1910

■ 5.7587, 13.4677,
1.9092

■ 151.6919,
213.8940, 120.9500

■ 2.7382, 7.7514,
0.4986

187.7991,
259.7641, 153.7371

■ 1.0169, 3.9363,
0.0000

229.2245,

■ 0.0000, 1.6380,

311.7638, 191.9709

0.0000

276.3334,
370.2773, 236.0700

■ 0.0000, 0.3830,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.1401, 63.0330,
24.0663

■ 38.1401, 63.0330,
24.0663

■ 34.6293, 61.3485,
18.3226

■ 42.7481, 65.2484,
31.6025

■ 32.1207, 60.1435,
14.2192


■ 48.5292, 68.0253,
41.0585


■ 30.5107, 59.3701,
11.5856


■ 55.5578, 71.4015,
52.5550


■ 29.6713, 58.9669,
10.2125

■ 63.9008, 75.4091,
66.2016

 29.4241, 58.8482,
9.8082

 73.6206, 80.0780,
82.0998

 84.7752, 85.4361,
100.3451

 88.7141, 87.3282,
106.7880

Harmonies

Analogous

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



49.4346, 63.0330, 12.7091



38.1401, 63.0330, 24.0663



33.0339, 63.0330, 53.3309

Triad

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



38.1401, 63.0330, 24.0663



54.2982, 63.0330, 209.2255



96.4488, 63.0330, 41.3872

Complementary

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



38.1401, 63.0330, 24.0663



54.0425, 33.9494, 81.5479

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.



98.4337, 63.0330, 86.6116



38.1401, 63.0330, 24.0663



71.7718, 63.0330, 200.7019

Square

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



38.1401, 63.0330, 24.0663



41.1162, 63.0330, 168.6257



88.7021, 63.0330, 148.9932



83.7052, 63.0330, 18.9027

Rectangle

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



38.1401, 63.0330, 24.0663



33.0124, 63.0330, 86.0066



88.7021, 63.0330, 148.9932



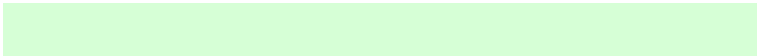
98.4782, 63.0330, 53.7711

Sweetspot

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



38.1416, 63.0356, 24.0677



75.7132, 90.7116, 77.2714



66.0111, 77.4029, 25.3713



15.7413, 19.1929, 15.7795



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.



38.1416, 63.0356, 24.0677



41.7177, 74.3818, 21.6654



42.7910, 64.8954, 48.5508



14.8684, 16.8622, 15.9899



16.5341, 33.0681, 5.5115



1.2983, 2.5966, 0.4328

Inverse Universe

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



54.0425, 33.9494, 81.5479



62.8827, 35.6662, 98.1750



46.4943, 30.9301, 41.7996



15.7149, 15.3138, 19.0498



27.4130, 13.1679, 44.8379



2.1526, 1.0340, 3.5209

Previews

White Background



This preview shows how the XYZ color 38.1401, 63.0330, 24.0663 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 38.1401, 63.0330, 24.0663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

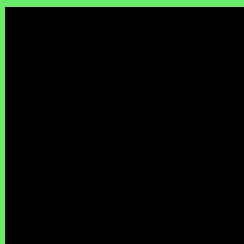
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.1401, 63.0330, 24.0663

Background



This preview shows how black text looks on a background with the XYZ color 38.1401, 63.0330, 24.0663.

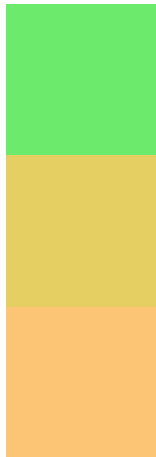


This preview shows how white text looks on a background with the XYZ color 38.1401, 63.0330,

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

38.1401, 63.0330, 24.0663

Protanopia

56.8305, 62.1655, 20.5591

Deuteranopia

63.3220, 61.9123, 25.4425



Tritanopia

51.1792, 62.5937, 90.2733

Trichromacy



Original Color

38.1401, 63.0330, 24.0663



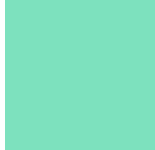
Protanomaly

47.1694, 60.8796, 21.5768



Deuteranomaly

49.5804, 59.4276, 24.4803



Tritanomaly

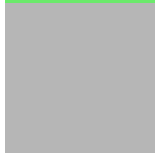
44.6769, 61.9281, 58.3138

Monochromacy



Original Color

38.1401, 63.0330, 24.0663



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

40.3206, 51.1084, 38.7501

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1401, 63.0330, 24.0663 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(107, 234, 107)` looks like.

```
.text, #text, p{  
    color:rgb(107, 234, 107)  
}
```

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(107, 234, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 234, 107) }
```

Border

The CSS property to change the border of an element to XYZ 38.1401, 63.0330, 24.0663 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(107, 234, 107) }
```


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

```
.border{ border-color:rgb(107, 234, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 234, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 234, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 234, 107);  
box-shadow:4px 4px 4px 4px rgb(107, 234,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1401, 63.0330, 24.0663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 234, 107) }
```

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

```
.background{ background-color: rgb(107,  
234, 107) }
```

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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