

Converting Colors

Yxy(38.2193, 0.3286, 0.4820)

Have a look what the booklet for
Yxy(38.2193, 0.3286, 0.4820)
contains.

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Color

Yxy(38.4066, 0.3283, 0.4826)

Conversions

Conversions Part 1

Format	Color
Hex	76B757
RGB	118, 183, 87
RGB Percent	46%, 72%, 34%
CMY	0.5372, 0.2824, 0.6589
CMYK	0.36, 0.00, 0.52, 0.28
HSL	101°, 40%, 53%
HSV	101°, 52%, 72%
XYZ	26.1270, 38.4066, 15.0491
YIQ	152.6210, -7.9240, -43.6360

Conversions

Conversions Part 2

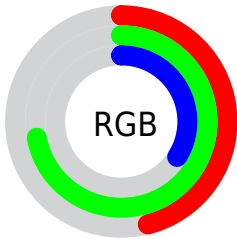
Format	Color
RYB	87, 183, 152
Decimal	7780183
CIELab	68.32, -38.34, 41.97
CIElCh	68, 56.849, 132.413
Yxy	38.4066, 0.3283, 0.4826
Android (android.graphics.Color)	4285970263 (0xFF76B757)
YUV	152.6210, -32.3512, -30.3626
Hunter-Lab	61.9731, -33.1997, 28.9836

Details

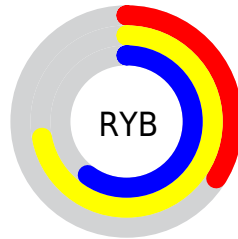
The Yxy color **38.4066, 0.3283, 0.4826** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **16.9041, 0.2811, 0.1909**, and the grayscale version is **31.8300, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.4813, 0.3280, 0.4505**, and **16.9241, 0.3249, 0.5339** is the 20% darker color. If you saturate the color by 10%, you get **37.3351, 0.3285, 0.5131**, and if you desaturate by 10%, it is **39.6711, 0.3268, 0.4507**.

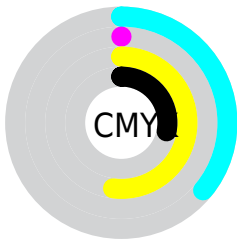
Distribution



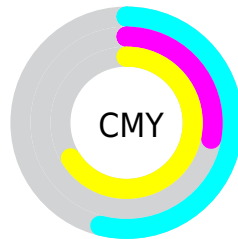
- Red (46%)
- Green (72%)
- Blue (34%)



- Red (34%)
- Yellow (72%)
- Blue (60%)



- Cyan (36%)
- Magenta (0%)
- Yellow (52%)
- Black (28%)




- Cyan (54%)
- Magenta (28%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.4066, 0.3283, 0.4826 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 Yxy color 38.4066, 0.3283, 0.4826 by changing the saturation by 10% instead.


 38.4066, 0.3283,
0.4826


 38.4066, 0.3283,
0.4826


339.3610, 0.3242,
0.3991


 26.2984, 0.3276,
0.5052


 72.7309, 0.3280,
0.4508

 17.0470, 0.3253,
0.5349


 95.7158, 0.3275,
0.4393

 10.2680, 0.3197,
0.5751


 123.0951, 0.3269,
0.4297

 5.5770, 0.3089,
0.6364

 155.2532, 0.3263,
0.4217

 2.5896, 0.2787,
0.7213

 192.5744, 0.3257,
0.4148

 0.9215, 0.0000,
1.0000

235.4432, 0.3252,

 0.0000, 0.0000,

0.4088

0.0000

284.2439, 0.3247,
0.4037

■ 38.4066, 0.3283,
0.4826

■ 38.4066, 0.3283,
0.4826

■ 37.3351, 0.3285,
0.5131

■ 39.6711, 0.3268,
0.4507

■ 36.4413, 0.3271,
0.5404

■ 41.1330, 0.3243,
0.4190

■ 35.7156, 0.3242,
0.5627

■ 42.8026, 0.3211,
0.3887

■ 35.1448, 0.3199,
0.5786

■ 44.6882, 0.3175,
0.3606

■ 34.8018, 0.3163,
0.5871

■ 46.7975, 0.3137,
0.3349

■ 49.1377, 0.3098,
0.3119

■ 51.7158, 0.3060,
0.2914

■ 54.5385, 0.3023,
0.2732

■ 57.6122, 0.2988,
0.2572

Harmonies

Analogous

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



38.4066, 0.4056, 0.4728



38.4066, 0.3283, 0.4826



38.4066, 0.2511, 0.4288

Triad

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



38.4066, 0.3283, 0.4826



38.4066, 0.1772, 0.2156



38.4066, 0.4422, 0.3037

Complementary

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



38.4066, 0.3283, 0.4826



16.9041, 0.2811, 0.1909

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.



38.4066, 0.3638, 0.2522



38.4066, 0.3283, 0.4826



38.4066, 0.2132, 0.2031

Square

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



38.4066, 0.3283, 0.4826



38.4066, 0.1706, 0.2594



38.4066, 0.2783, 0.2167



38.4066, 0.4791, 0.3631

Rectangle

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



38.4066, 0.3283, 0.4826



38.4066, 0.2103, 0.3684



38.4066, 0.2783, 0.2167



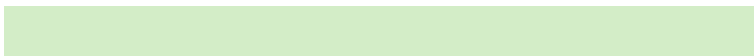
38.4066, 0.4192, 0.2853

Sweetspot

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



38.4083, 0.3283, 0.4826



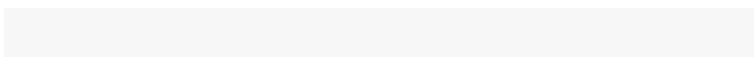
78.7073, 0.3189, 0.3710



32.8867, 0.4098, 0.4170



17.2309, 0.3197, 0.3768



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.4083, 0.3283, 0.4826



66.5939, 0.3284, 0.5177



36.8715, 0.2954, 0.4673



10.1973, 0.3163, 0.3523



24.3117, 0.3170, 0.5865



0.8914, 0.3385, 0.5694

Inverse Universe

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



16.9041, 0.2811, 0.1909



23.8603, 0.2715, 0.1631



19.6711, 0.3385, 0.2226



9.0133, 0.3088, 0.3061



5.4042, 0.2417, 0.1105



0.2223, 0.2628, 0.1222

Previews

White Background



This preview shows how the Yxy color 38.4066, 0.3283, 0.4826 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 Yxy color 38.4066, 0.3283, 0.4826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

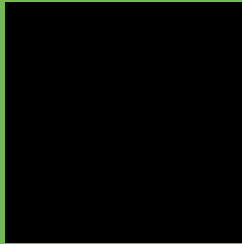
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.4066, 0.3283, 0.4826

Background



This preview shows how black text looks on a background with the Yxy color 38.4066, 0.3283, 0.4826.



This preview shows how white text looks on a background with the Yxy color 38.4066, 0.3283, 0.4826.

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

38.4066, 0.3283, 0.4826

Protanopia

37.9338, 0.4035, 0.4418

Deuteranopia

37.8006, 0.4192, 0.4110



Tritanopia

38.1186, 0.2706, 0.3084

Trichromacy



Original Color

38.4066, 0.3283, 0.4826

Protanomaly

37.5005, 0.3737, 0.4578

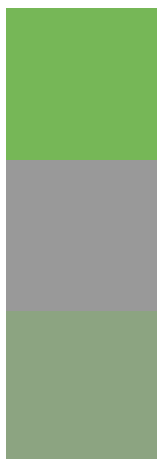
Deuteranomaly

37.0507, 0.3829, 0.4365

Tritanomaly

37.8419, 0.2924, 0.3697

Monochromacy



Original Color

38.4066, 0.3283, 0.4826

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

33.7113, 0.3204, 0.3850

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4066, 0.3283, 0.4826 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(118, 183, 87)` looks like.

```
.text, #text, p{  
    color:rgb(118, 183, 87)  
}
```

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(118, 183, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 183, 87) }
```

Border

The CSS property to change the border of an element to Yxy 38.4066, 0.3283, 0.4826 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(118, 183, 87) }
```

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

```
.border{ border-color:rgb(118, 183, 87) }
```

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

Here you see how a box with a 4 pixel rgb(118, 183, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 183, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 183, 87);  
box-shadow:4px 4px 4px 4px rgb(118, 183,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4066, 0.3283, 0.4826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 183, 87) }
```

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

```
.background{ background-color: rgb(118,  
183, 87) }
```

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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