

Converting Colors

Yxy(48.0868, 0.3233, 0.4585)

Have a look what the booklet for
Yxy(48.0868, 0.3233, 0.4585)
contains.

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Color

Yxy(48.1774, 0.3235, 0.4589)

Conversions

Conversions Part 1

Format	Color
Hex	88C970
RGB	136, 201, 112
RGB Percent	53%, 79%, 44%
CMY	0.4668, 0.2117, 0.5607
CMYK	0.32, 0.00, 0.44, 0.21
HSL	104°, 45%, 61%
HSV	104°, 44%, 79%
XYZ	33.9625, 48.1774, 22.8446
YIQ	171.4190, -10.1710, -41.4590

Conversions

Conversions Part 2

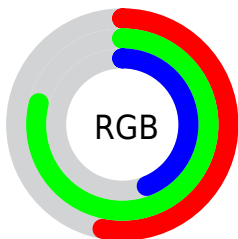
Format	Color
RYB	112, 201, 177
Decimal	8964464
CIELab	74.94, -37.16, 37.94
CIELCh	75, 53.112, 134.403
Yxy	48.1774, 0.3235, 0.4589
Android (android.graphics.Color)	4287154544 (0xFF88C970)
YUV	171.4190, -29.2936, -31.0625
Hunter-Lab	69.4099, -34.1268, 29.0731

Details

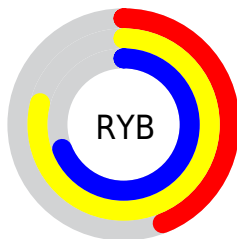
The Yxy color **48.1774, 0.3235, 0.4589** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **25.1648, 0.2924, 0.2133**, and the grayscale version is **41.0999, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4431, 0.3240, 0.4306**, and **22.6994, 0.3215, 0.4989** is the 20% darker color. If you saturate the color by 10%, you get **46.6338, 0.3241, 0.4916**, and if you desaturate by 10%, it is **49.9936, 0.3220, 0.4262**.

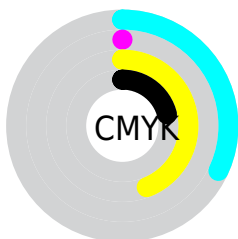
Distribution



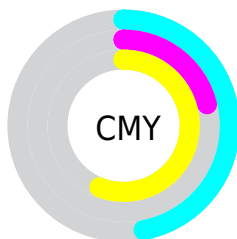
- Red (53%)
- Green (79%)
- Blue (44%)



- Red (44%)
- Yellow (79%)
- Blue (69%)



- Cyan (32%)
- Magenta (0%)
- Yellow (44%)
- Black (21%)




- Cyan (47%)
- Magenta (21%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.1774, 0.3235, 0.4589 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 48.1774, 0.3235, 0.4589 by changing the saturation by 10% instead.


 48.1774, 0.3235,
0.4589


 48.1774, 0.3235,
0.4589


379.4949, 0.3208,
0.3908


 33.9674, 0.3231,
0.4766


 87.4685, 0.3233,
0.4336

 22.8686, 0.3219,
0.4996


 113.3183, 0.3230,
0.4242

 14.4965, 0.3190,
0.5304


 143.8169, 0.3226,
0.4164

 8.4668, 0.3124,
0.5733

 179.3487, 0.3222,
0.4097

 4.3951, 0.3021,
0.6461

220.2979, 0.3219,
0.4040

 1.8969, 0.2594,
0.7406

267.0491, 0.3215,

 0.5465, 0.0000,

0.3990

1.0000

319.9866, 0.3212,
0.3947

■ 0.0000, 0.0000,
0.0000

■ 48.1774, 0.3235,
0.4589

■ 48.1774, 0.3235,
0.4589

■ 46.6338, 0.3241,
0.4916

■ 49.9936, 0.3220,
0.4262

■ 45.3432, 0.3234,
0.5225

■ 52.0889, 0.3197,
0.3949

■ 44.2927, 0.3214,
0.5495


■ 54.4769, 0.3170,
0.3659


■ 43.4658, 0.3181,
0.5709


■ 57.1687, 0.3140,
0.3394

■ 42.8434, 0.3138,
0.5852


■ 60.1748, 0.3110,
0.3158

 42.5641, 0.3113,
0.5911

 63.5050, 0.3079,
0.2948

 67.1689, 0.3049,
0.2764

 69.9733, 0.3141,
0.2760

 70.2569, 0.3152,
0.2762

Harmonies

Analogous

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



48.1774, 0.3920, 0.4571



48.1774, 0.3235, 0.4589



48.1774, 0.2558, 0.4094

Triad

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



48.1774, 0.3235, 0.4589



48.1774, 0.1937, 0.2278



48.1774, 0.4284, 0.3113

Complementary

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



48.1774, 0.3235, 0.4589



25.1648, 0.2924, 0.2133

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.



48.1774, 0.3626, 0.2640



48.1774, 0.3235, 0.4589



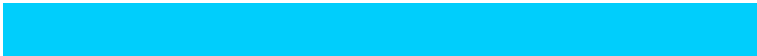
48.1774, 0.2282, 0.2174

Square

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



48.1774, 0.3235, 0.4589



48.1774, 0.1862, 0.2659



48.1774, 0.2878, 0.2308



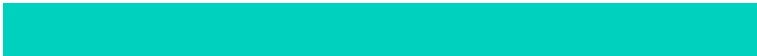
48.1774, 0.4581, 0.3653

Rectangle

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



48.1774, 0.3235, 0.4589



48.1774, 0.2203, 0.3583



48.1774, 0.2878, 0.2308



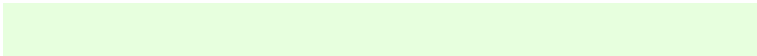
48.1774, 0.4093, 0.2945

Sweetspot

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



48.1795, 0.3235, 0.4589



93.7370, 0.3167, 0.3629



44.5596, 0.3908, 0.4097



19.8555, 0.3173, 0.3691



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



48.1795, 0.3235, 0.4589



79.9630, 0.3241, 0.4899



46.8702, 0.2947, 0.4359



12.0237, 0.3156, 0.3526



26.7993, 0.3121, 0.5904



1.3057, 0.3283, 0.5776

Inverse Universe

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



25.1648, 0.2924, 0.2133



35.6185, 0.2863, 0.1893



27.3784, 0.3388, 0.2422



10.6675, 0.3096, 0.3059



6.5928, 0.2543, 0.1175



0.3464, 0.2688, 0.1254

Previews

White Background



This preview shows how the Yxy color 48.1774, 0.3235, 0.4589 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 48.1774, 0.3235, 0.4589 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 48.1774, 0.3235, 0.4589

Background



This preview shows how black text looks on a background with the Yxy color 48.1774, 0.3235, 0.4589.



This preview shows how white text looks on a background with the Yxy color 48.1774, 0.3235, 0.4589.

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

48.1774, 0.3235, 0.4589

Protanopia

47.7391, 0.3910, 0.4258

Deuteranopia

47.7308, 0.4047, 0.3973



Tritanopia

47.9101, 0.2733, 0.3090

Trichromacy



Original Color

48.1774, 0.3235, 0.4589

Protanomaly

47.2567, 0.3643, 0.4386

Deuteranomaly

46.9060, 0.3726, 0.4187

Tritanomaly

47.6348, 0.2920, 0.3613

Monochromacy



Original Color

48.1774, 0.3235, 0.4589

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

42.9270, 0.3174, 0.3750

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1774, 0.3235, 0.4589 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(136, 201, 112)` looks like.

```
.text, #text, p{  
    color:rgb(136, 201, 112)  
}
```

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(136, 201, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 201, 112) }
```

Border

The CSS property to change the border of an element to Yxy 48.1774, 0.3235, 0.4589 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(136, 201, 112) }
```

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

```
.border{ border-color:rgb(136, 201, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 201, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 201, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 201, 112);  
box-shadow:4px 4px 4px 4px rgb(136, 201,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1774, 0.3235, 0.4589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 201, 112) }
```

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

```
.background{ background-color: rgb(136,  
201, 112) }
```

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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