

Converting Colors

$Yxy(48.8871, 0.2847, 0.4420)$

Have a look what the booklet for
Yxy(48.8871, 0.2847, 0.4420)
contains.

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Color

Yxy(48.8337, 0.2843, 0.4415)

Conversions

Conversions Part 1

Format	Color
Hex	60CF86
RGB	96, 207, 134
RGB Percent	38%, 81%, 53%
CMY	0.6233, 0.1883, 0.4744
CMYK	0.54, 0.00, 0.35, 0.19
HSL	141°, 54%, 59%
HSV	141°, 54%, 81%
XYZ	31.4460, 48.8337, 30.3289
YIQ	165.4890, -42.7230, -46.2350

Conversions

Conversions Part 2

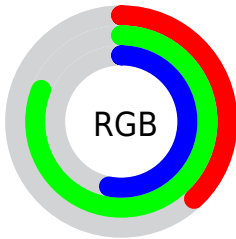
Format	Color
RYB	96, 179, 207
Decimal	6344582
CIELab	75.35, -47.92, 26.88
CIELCh	75, 54.948, 150.712
Yxy	48.8337, 0.2843, 0.4415
Android (android.graphics.Color)	4284534662 (0xFF60CF86)
YUV	165.4890, -15.5241, -60.9419
Hunter-Lab	69.8811, -41.9682, 23.1845

Details

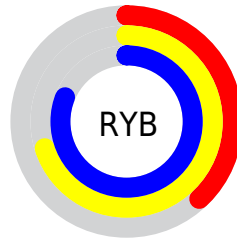
The Yxy color **48.8337, 0.2843, 0.4415** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **24.5095, 0.3638, 0.2405**, and the grayscale version is **37.9753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0209, 0.2901, 0.4090**, and **23.3726, 0.2731, 0.4777** is the 20% darker color. If you saturate the color by 10%, you get **47.5000, 0.2817, 0.4670**, and if you desaturate by 10%, it is **50.5159, 0.2882, 0.4167**.

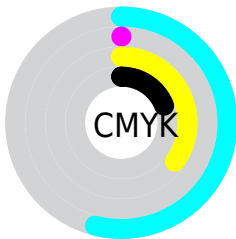
Distribution



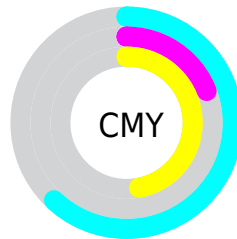
- Red (38%)
- Green (81%)
- Blue (53%)



- Red (38%)
- Yellow (70%)
- Blue (81%)



- Cyan (54%)
- Magenta (0%)
- Yellow (35%)
- Black (19%)




- Cyan (62%)
- Magenta (19%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.8337, 0.2843, 0.4415 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 48.8337, 0.2843, 0.4415 by changing the saturation by 10% instead.


 48.8337, 0.2843,
0.4415

 48.8337, 0.2843,
0.4415


382.0873, 0.3003,
0.3820


 34.4876, 0.2797,
0.4573


 88.4444, 0.2906,
0.4192


 23.2684, 0.2734,
0.4781


 114.4778, 0.2928,
0.4110

 14.7918, 0.2644,
0.5067


 145.1757, 0.2946,
0.4042

 8.6734, 0.2505,
0.5480

 180.9226, 0.2961,
0.3984

 4.5288, 0.2272,
0.6118

222.1028, 0.2974,
0.3934

 1.9735, 0.1840,
0.8160

269.1007, 0.2985,

 0.5920, 0.0000,

0.3891

1.0000

322.3007, 0.2995,
0.3854

■ 0.0000, 0.0000,
0.0000

■ 48.8337, 0.2843,
0.4415

■ 48.8337, 0.2843,
0.4415

■ 47.5000, 0.2817,
0.4670

■ 50.5159, 0.2882,
0.4167

■ 46.4833, 0.2808,
0.4923

■ 52.5636, 0.2930,
0.3933

■ 45.7562, 0.2816,
0.5163

■ 54.9997, 0.2986,
0.3717

■ 45.2835, 0.2841,
0.5379

■ 57.8434, 0.3045,
0.3522

■ 45.0759, 0.2862,
0.5503

■ 61.1126, 0.3105,
0.3348

■ 64.8244, 0.3166,
0.3193

■ 68.9946, 0.3225,
0.3058

■ 72.3521, 0.3233,
0.2934

■ 73.1034, 0.3149,
0.2821

Harmonies

Analogous

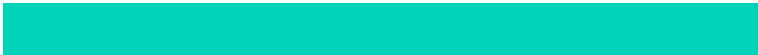
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.8337, 0.3566, 0.4684



48.8337, 0.2843, 0.4415



48.8337, 0.2236, 0.3692

Triad

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



48.8337, 0.2843, 0.4415



48.8337, 0.2065, 0.2161



48.8337, 0.4542, 0.3402

Complementary

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



48.8337, 0.2843, 0.4415



24.5095, 0.3638, 0.2405

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.



48.8337, 0.4040, 0.2873



48.8337, 0.2843, 0.4415



48.8337, 0.2562, 0.2193

Square

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



48.8337, 0.2843, 0.4415



48.8337, 0.1837, 0.2390



48.8337, 0.3281, 0.2446



48.8337, 0.4588, 0.3960

Rectangle

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



48.8337, 0.2843, 0.4415



48.8337, 0.1972, 0.3156



48.8337, 0.3281, 0.2446



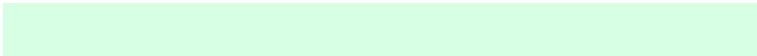
48.8337, 0.4420, 0.3219

Sweetspot

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



48.8357, 0.2843, 0.4415



91.4565, 0.3029, 0.3571



54.0175, 0.3585, 0.4723



19.3682, 0.3017, 0.3611



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.



48.8357, 0.2843, 0.4415



75.9115, 0.2815, 0.4700



50.7667, 0.2540, 0.3555



13.2721, 0.3070, 0.3447



28.4174, 0.2855, 0.5478



1.6037, 0.2749, 0.5096

Inverse Universe

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



24.5095, 0.3638, 0.2405



33.0110, 0.3794, 0.2261



22.8708, 0.4421, 0.3065



11.9375, 0.3189, 0.3138



9.4994, 0.4299, 0.2142



0.5457, 0.4049, 0.2004

Previews

White Background



This preview shows how the Yxy color 48.8337, 0.2843, 0.4415 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 48.8337, 0.2843, 0.4415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

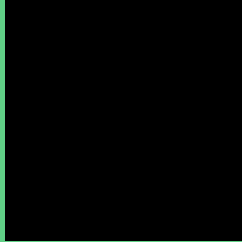
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.8337, 0.2843, 0.4415

Background



This preview shows how black text looks on a background with the Yxy color 48.8337, 0.2843, 0.4415.

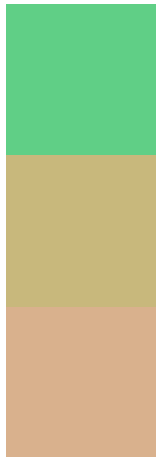


This preview shows how white text looks on a background with the Yxy color 48.8337, 0.2843, 0.4415.

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

48.8337, 0.2843, 0.4415

Protanopia

48.0156, 0.3760, 0.4049

Deuteranopia

48.1191, 0.3805, 0.3726



Tritanopia

48.5185, 0.2487, 0.3069

Trichromacy



Original Color

48.8337, 0.2843, 0.4415



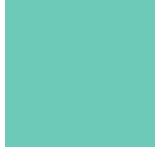
Protanomaly

46.9392, 0.3359, 0.4188



Deuteranomaly

46.6857, 0.3389, 0.3975



Tritanomaly

48.4852, 0.2614, 0.3535

Monochromacy



Original Color

48.8337, 0.2843, 0.4415



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

41.0436, 0.3000, 0.3694

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8337, 0.2843, 0.4415 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(96, 207, 134)` looks like.

```
.text, #text, p{  
    color:rgb(96, 207, 134)  
}
```

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(96, 207, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 207, 134) }
```

Border

The CSS property to change the border of an element to Yxy 48.8337, 0.2843, 0.4415 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(96, 207, 134) }
```

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

```
.border{ border-color:rgb(96, 207, 134) }
```

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

Here you see how a box with a 4 pixel rgb(96, 207, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 207, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 207, 134);  
box-shadow:4px 4px 4px 4px rgb(96, 207,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8337, 0.2843, 0.4415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 207, 134) }
```

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

```
.background{ background-color: rgb(96, 207,  
134) }
```

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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