

# Converting Colors

$Yxy(46.2043, 0.2687, 0.4049)$

Have a look what the booklet for  
Yxy(46.2043, 0.2687, 0.4049)  
contains.

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# Color

**$\text{Yxy}(46.1479, 0.2684, 0.4040)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	58C999
RGB	88, 201, 153
RGB Percent	35%, 79%, 60%
CMY	0.6550, 0.2117, 0.4001
CMYK	0.56, 0.00, 0.24, 0.21
HSL	155°, 51%, 57%
HSV	155°, 56%, 79%
XYZ	30.6587, 46.1479, 37.4209
YIQ	161.7410, -51.9400, -38.8840

# Conversions

## Conversions Part 2

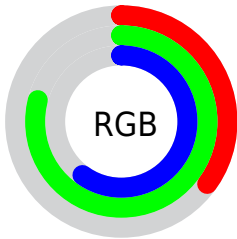
<b>Format</b>	<b>Color</b>
<b>RYB</b>	88, 160, 201
Decimal	5818777
CIELab	73.64, -43.48, 14.46
CIELCh	74, 45.821, 161.602
Yxy	46.1479, 0.2684, 0.4040
Android (android.graphics.Color)	4284008857 (0xFF58C999)
YUV	161.7410, -4.3093, -64.6709
Hunter-Lab	67.9322, -38.3222, 14.8923

# Details

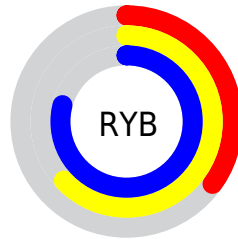
The Yxy color **46.1479, 0.2684, 0.4040** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **21.1736, 0.4059, 0.2684**, and the grayscale version is **36.0412, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1360, 0.2767, 0.3860**, and **21.6104, 0.2545, 0.4277** is the 20% darker color. If you saturate the color by 10%, you get **45.0284, 0.2645, 0.4203**, and if you desaturate by 10%, it is **47.5617, 0.2740, 0.3883**.

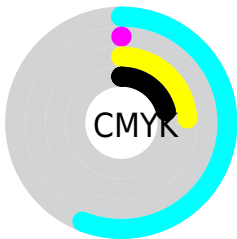
# Distribution



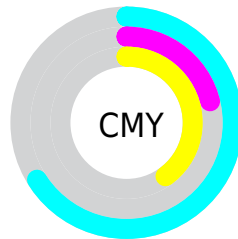
- Red (35%)
- Green (79%)
- Blue (60%)



- Red (35%)
- Yellow (63%)
- Blue (79%)



- Cyan (56%)
- Magenta (0%)
- Yellow (24%)
- Black (21%)



- Cyan (66%)
- Magenta (21%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.1479, 0.2684, 0.4040 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 46.1479, 0.2684, 0.4040 by changing the saturation by 10% instead.





 46.1479, 0.2684,  
0.4040


 46.1479, 0.2684,  
0.4040


371.4029, 0.2914,  
0.3646


 32.3625, 0.2624,  
0.4144


 84.4403, 0.2770,  
0.3892

 21.6386, 0.2545,  
0.4282


 109.7161, 0.2801,  
0.3838

 13.5916, 0.2438,  
0.4472

 139.5909, 0.2828,  
0.3793

 7.8371, 0.2283,  
0.4749

 174.4491, 0.2850,  
0.3755

 3.9909, 0.2043,  
0.5188

214.6749, 0.2869,  
0.3722

 1.6685, 0.1398,  
0.6236

260.6529, 0.2886,

 0.4031, 0.0000,

0.3693

1.0000

312.7675, 0.2901,  
0.3668

0.0000, 0.0000,  
0.0000

46.1479, 0.2684,  
0.4040

46.1479, 0.2684,  
0.4040

45.0284, 0.2645,  
0.4203

47.5617, 0.2740,  
0.3883

44.1743, 0.2625,  
0.4370

49.2849, 0.2809,  
0.3734

43.5605, 0.2625,  
0.4535

51.3380, 0.2889,  
0.3596

43.1528, 0.2644,  
0.4696

53.7381, 0.2977,  
0.3470

43.0279, 0.2654,  
0.4755

56.5014, 0.3069,  
0.3355

■ 59.6427, 0.3163,  
0.3253

■ 63.1761, 0.3257,  
0.3162

■ 67.1149, 0.3350,  
0.3081

■ 68.7411, 0.3334,  
0.3000

# Harmonies

## Analogous

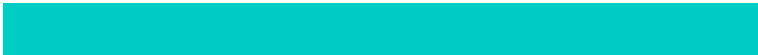
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.1479, 0.3293, 0.4432



46.1479, 0.2684, 0.4040



46.1479, 0.2223, 0.3388

# Triad

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



46.1479, 0.2684, 0.4040



46.1479, 0.2340, 0.2294



46.1479, 0.4395, 0.3584

# Complementary

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



46.1479, 0.2684, 0.4040



21.1736, 0.4059, 0.2684

# 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.



46.1479, 0.4096, 0.3099



46.1479, 0.2684, 0.4040



46.1479, 0.2855, 0.2393

# Square

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



46.1479, 0.2684, 0.4040



46.1479, 0.2048, 0.2416



46.1479, 0.3506, 0.2679



46.1479, 0.4305, 0.4056



# Rectangle

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



46.1479, 0.2684, 0.4040



46.1479, 0.2049, 0.2968



46.1479, 0.3506, 0.2679



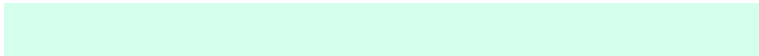
46.1479, 0.4337, 0.3419

# Sweetspot

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



46.1498, 0.2684, 0.4040



91.5550, 0.2968, 0.3482



47.7958, 0.3381, 0.4903



19.4095, 0.2950, 0.3507



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.



46.1498, 0.2684, 0.4040



76.8059, 0.2640, 0.4232



44.6403, 0.2402, 0.3178



11.9884, 0.3039, 0.3390



27.0710, 0.2648, 0.4733



1.2961, 0.2555, 0.4399



# Inverse Universe

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



21.1736, 0.4059, 0.2684



30.0496, 0.4373, 0.2603



21.4015, 0.4747, 0.3388



10.7105, 0.3224, 0.3192



8.2416, 0.5254, 0.2668



0.4047, 0.4724, 0.2376



# Previews

## White Background



This preview shows how the Yxy color 46.1479, 0.2684, 0.4040 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 46.1479, 0.2684, 0.4040 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 46.1479, 0.2684, 0.4040**

## Background



This preview shows how black text looks on a background with the Yxy color 46.1479, 0.2684, 0.4040.

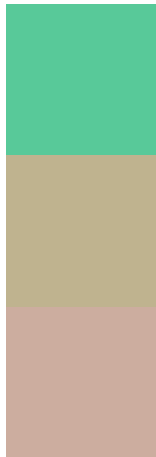


This preview shows how white text looks on a background with the Yxy color 46.1479, 0.2684, 0.4040.

# 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

46.1479, 0.2684, 0.4040

### Protanopia

45.2997, 0.3537, 0.3764

### Deuteranopia

45.2277, 0.3535, 0.3468



## Tritanopia

46.2512, 0.2445, 0.3077

# Trichromacy



## Original Color

46.1479, 0.2684, 0.4040



## Protanomaly

44.5173, 0.3158, 0.3866



## Deuteranomaly

43.9827, 0.3152, 0.3656



## Tritanomaly

46.2593, 0.2525, 0.3406

# Monochromacy



## Original Color

46.1479, 0.2684, 0.4040



## Achromatopsia

36.1307, 0.3127, 0.3290



## Achromatomaly

38.7048, 0.2913, 0.3548

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.1479, 0.2684, 0.4040 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(88, 201, 153)` looks like.

```
.text, #text, p{  
    color:rgb(88, 201, 153)  
}
```

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(88, 201, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 201, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 46.1479, 0.2684, 0.4040 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(88, 201, 153) }
```

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

```
.border{ border-color:rgb(88, 201, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 201, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 201, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 201, 153);  
box-shadow:4px 4px 4px 4px rgb(88, 201,  
153) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.1479, 0.2684, 0.4040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 201, 153) }
```

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

```
.background{ background-color: rgb(88, 201,  
153) }
```

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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