

# Converting Colors

$Y_{xy}(50.7270, 0.2757, 0.3819)$

Have a look what the booklet for  
Yxy(50.7270, 0.2757, 0.3819)  
contains.

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**Color**

**Yxy(50.8587, 0.2760, 0.3825)**

# Conversions

## Conversions Part 1

Format	Color
Hex	76CEA9
RGB	118, 206, 169
RGB Percent	46%, 81%, 66%
CMY	0.5374, 0.1921, 0.3373
CMYK	0.43, 0.00, 0.18, 0.19
HSL	155°, 47%, 64%
HSV	155°, 43%, 81%
XYZ	36.6980, 50.8587, 45.4072
YIQ	175.4700, -40.5710, -30.1630

# Conversions

## Conversions Part 2

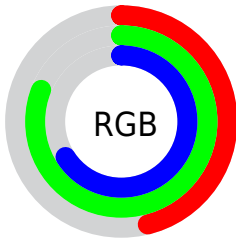
Format	Color
<a href="#">RYB</a>	<a href="#">118, 174, 206</a>
Decimal	<a href="#">7786153</a>
CIELab	<a href="#">76.59, -35.02, 10.22</a>
CIElCh	<a href="#">77, 36.483, 163.731</a>
Yxy	<a href="#">50.8587, 0.2760, 0.3825</a>
Android (android.graphics.Color)	<a href="#">4285976233 (0xFF76CEA9)</a>
YUV	<a href="#">175.4700, -3.1897, -50.4012</a>
Hunter-Lab	<a href="#">71.3153, -32.9477, 12.1701</a>

# Details

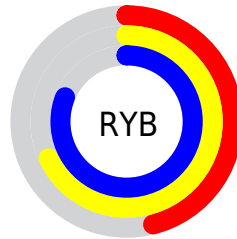
The Yxy color **50.8587, 0.2760, 0.3825** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **28.4376, 0.3755, 0.2822**, and the grayscale version is **43.1542, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9005, 0.2823, 0.3637**, and **24.4743, 0.2655, 0.3980** is the 20% darker color. If you saturate the color by 10%, you get **49.2584, 0.2699, 0.3978**, and if you desaturate by 10%, it is **52.7996, 0.2834, 0.3681**.

# Distribution



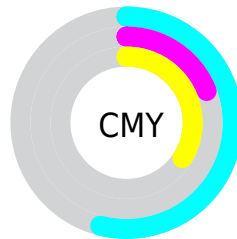
- Red (46%)
- Green (81%)
- Blue (66%)



- Red (46%)
- Yellow (68%)
- Blue (81%)



- Cyan (43%)
- Magenta (0%)
- Yellow (18%)
- Black (19%)



- Cyan (54%)
- Magenta (19%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.8587, 0.2760, 0.3825 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 50.8587, 0.2760, 0.3825 by changing the saturation by 10% instead.




 50.8587, 0.2760,  
0.3825


 50.8587, 0.2760,  
0.3825


390.0146, 0.2945,  
0.3552

 36.0962, 0.2713,  
0.3895


 91.4459, 0.2828,  
0.3724

 24.5085, 0.2653,  
0.3986


 118.0393, 0.2853,  
0.3687

 15.7112, 0.2573,  
0.4108


 149.3452, 0.2874,  
0.3656

 9.3200, 0.2460,  
0.4282

185.7478, 0.2892,  
0.3629

 4.9505, 0.2291,  
0.4549

227.6317, 0.2908,  
0.3606

 2.2183, 0.2012,  
0.5004

275.3812, 0.2922,

 0.7299, 0.0000,

0.3586

0.9010

329.3807, 0.2934,  
0.3568

0.0000, 0.0000,  
0.0000

50.8587, 0.2760,  
0.3825

50.8587, 0.2760,  
0.3825

49.2584, 0.2699,  
0.3978

52.7996, 0.2834,  
0.3681

47.9714, 0.2653,  
0.4138

55.0941, 0.2918,  
0.3548

46.9762, 0.2626,  
0.4303


57.7621, 0.3007,  
0.3427


46.2455, 0.2619,  
0.4467

60.8202, 0.3101,  
0.3318

45.7468, 0.2632,  
0.4628


64.2838, 0.3196,  
0.3220

 45.4889, 0.2651,  
0.4742

 68.1677, 0.3291,  
0.3134

 71.1006, 0.3330,  
0.3053

 71.5986, 0.3267,  
0.2969

 72.1211, 0.3205,  
0.2886

# Harmonies

## Analogous

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



50.8587, 0.3236, 0.4141



50.8587, 0.2760, 0.3825



50.8587, 0.2401, 0.3339

# Triad

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



50.8587, 0.2760, 0.3825



50.8587, 0.2534, 0.2500



50.8587, 0.4110, 0.3569

# Complementary

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



50.8587, 0.2760, 0.3825



28.4376, 0.3755, 0.2822

# 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.



50.8587, 0.3897, 0.3177



50.8587, 0.2760, 0.3825



50.8587, 0.2956, 0.2588

# Square

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



50.8587, 0.2760, 0.3825



50.8587, 0.2282, 0.2595



50.8587, 0.3461, 0.2829



50.8587, 0.4032, 0.3932



# Rectangle

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



50.8587, 0.2760, 0.3825



50.8587, 0.2267, 0.3023



50.8587, 0.3461, 0.2829



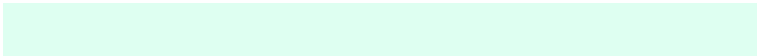
50.8587, 0.4071, 0.3438

# Sweetspot

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



50.8608, 0.2760, 0.3825



93.3802, 0.3004, 0.3432



52.5348, 0.3345, 0.4497



19.7702, 0.2983, 0.3458



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

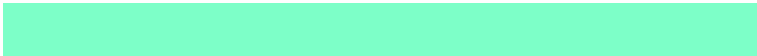


# Same Dimension

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



50.8608, 0.2760, 0.3825



80.0605, 0.2705, 0.3961



49.6798, 0.2537, 0.3207



12.6441, 0.3039, 0.3389



28.0268, 0.2644, 0.4719



1.4608, 0.2558, 0.4409



# Inverse Universe

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



28.4376, 0.3755, 0.2822



39.1955, 0.3955, 0.2731



28.8036, 0.4200, 0.3368



11.2907, 0.3225, 0.3193



8.5186, 0.5274, 0.2679



0.4545, 0.4774, 0.2403



# Previews

## White Background



This preview shows how the Yxy color 50.8587, 0.2760, 0.3825 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 50.8587, 0.2760, 0.3825 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

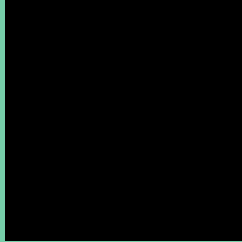
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

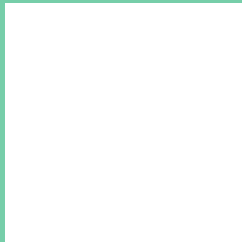
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 50.8587, 0.2760, 0.3825**

## Background



This preview shows how black text looks on a background with the Yxy color 50.8587, 0.2760, 0.3825.

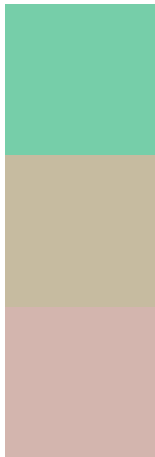


This preview shows how white text looks on a background with the Yxy color 50.8587, 0.2760, 0.3825.

# 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

50.8587, 0.2760, 0.3825

### Protanopia

50.0845, 0.3437, 0.3632

### Deuteranopia

49.9526, 0.3448, 0.3376



## Tritanopia

51.0122, 0.2548, 0.3076

# Trichromacy



## Original Color

50.8587, 0.2760, 0.3825



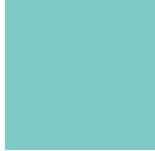
## Protanomaly

49.6629, 0.3156, 0.3708



## Deuteranomaly

49.1526, 0.3157, 0.3527



## Tritanomaly

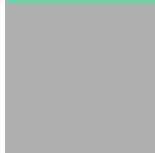
50.8002, 0.2624, 0.3330

# Monochromacy



## Original Color

50.8587, 0.2760, 0.3825



## Achromatopsia

42.8690, 0.3127, 0.3290



## Achromatomaly

45.0050, 0.2964, 0.3472

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  50.8587, 0.2760, 0.3825 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, 206, 169)` looks like.

```
.text, #text, p{  
    color:rgb(118, 206, 169)  
}
```

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, 206, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 206, 169) }
```

## Border

The CSS property to change the border of an element to Yxy 50.8587, 0.2760, 0.3825 is called "border". The border property can be set on classes, ids or directly on the HTML element.

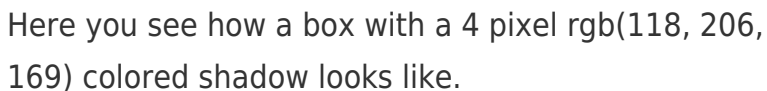
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 206, 169) }
```

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

```
.border{ border-color:rgb(118, 206, 169) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 206, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 206, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 206, 169); box-shadow:4px 4px 4px 4px rgb(118, 206, 169) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.8587, 0.2760, 0.3825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 206, 169) }
```

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

```
.background{ background-color: rgb(118,  
206, 169) }
```

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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