

# Converting Colors

Yxy(56.6156, 0.2879, 0.4079)

Have a look what the booklet for  
Yxy(56.6156, 0.2879, 0.4079)  
contains.

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# Color

**Yxy(56.7530, 0.2884, 0.4085)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80D9A0
RGB	128, 217, 160
RGB Percent	50%, 85%, 63%
CMY	0.4978, 0.1490, 0.3725
CMYK	0.41, 0.00, 0.26, 0.15
HSL	142°, 54%, 68%
HSV	142°, 41%, 85%
XYZ	40.0675, 56.7530, 42.1098
YIQ	183.8910, -34.7470, -36.5950

# Conversions

## Conversions Part 2

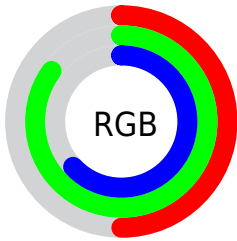
<b>Format</b>	<b>Color</b>
<b>RYB</b>	128, 193, 217
Decimal	8444320
CIELab	80.04, -39.06, 19.87
CIElCh	80, 43.827, 153.036
Yxy	56.7530, 0.2884, 0.4085
Android (android.graphics.Color)	4286634400 (0xFF80D9A0)
YUV	183.8910, -11.7783, -49.0164
Hunter-Lab	75.3346, -36.8985, 19.5929

# Details

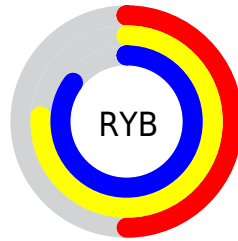
The Yxy color **56.7530, 0.2884, 0.4085** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **33.7075, 0.3500, 0.2616**, and the grayscale version is **47.9587, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6166, 0.2924, 0.3736**, and **28.3398, 0.2809, 0.4333** is the 20% darker color. If you saturate the color by 10%, you get **54.7882, 0.2841, 0.4324**, and if you desaturate by 10%, it is **59.1368, 0.2937, 0.3861**.

# Distribution



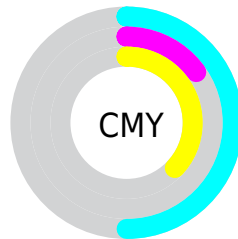
- Red (50%)
- Green (85%)
- Blue (63%)



- Red (50%)
- Yellow (76%)
- Blue (85%)



- Cyan (41%)
- Magenta (0%)
- Yellow (26%)
- Black (15%)




- Cyan (50%)
- Magenta (15%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.7530, 0.2884, 0.4085 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 56.7530, 0.2884, 0.4085 by changing the saturation by 10% instead.





 56.7530, 0.2884,  
0.4085

 56.7530, 0.2884,  
0.4085


412.5231, 0.3012,  
0.3681

 40.8070, 0.2850,  
0.4188


 100.1047, 0.2932,  
0.3937

 28.1683, 0.2806,  
0.4321


 128.2791, 0.2949,  
0.3881

 18.4526, 0.2746,  
0.4499


 161.2985, 0.2964,  
0.3835

 11.2754, 0.2659,  
0.4749

199.5472, 0.2976,  
0.3795

 6.2524, 0.2524,  
0.5125

243.4096, 0.2987,  
0.3760

 2.9991, 0.2289,  
0.5743

293.2702, 0.2996,

 1.1313, 0.0834,

0.3730

0.9166

349.5132, 0.3004,  
0.3704

■ 0.0045, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 56.7530, 0.2884,  
0.4085

■ 56.7530, 0.2884,  
0.4085

■ 54.7882, 0.2841,  
0.4324

■ 59.1368, 0.2937,  
0.3861

■ 53.2103, 0.2810,  
0.4572


■ 61.9552, 0.2995,  
0.3656


■ 51.9941, 0.2796,  
0.4822


■ 65.2318, 0.3057,  
0.3470

■ 51.1078, 0.2799,  
0.5063


■ 68.9862, 0.3121,  
0.3305

 50.5143, 0.2820,  
0.5284

 73.2370, 0.3184,  
0.3160

 50.1730, 0.2850,  
0.5461

 77.3797, 0.3222,  
0.3030

 78.1030, 0.3145,  
0.2920

# Harmonies

## Analogous

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



56.7530, 0.3445, 0.4332



56.7530, 0.2884, 0.4085



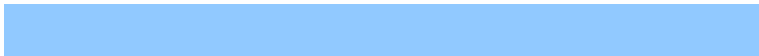
56.7530, 0.2415, 0.3552

# Triad

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



56.7530, 0.2884, 0.4085



56.7530, 0.2320, 0.2400



56.7530, 0.4217, 0.3438

# Complementary

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



56.7530, 0.2884, 0.4085



33.7075, 0.3500, 0.2616

# 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.



56.7530, 0.3860, 0.3004



56.7530, 0.2884, 0.4085



56.7530, 0.2736, 0.2432

# Square

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



56.7530, 0.2884, 0.4085



56.7530, 0.2116, 0.2580



56.7530, 0.3299, 0.2649



56.7530, 0.4241, 0.3876

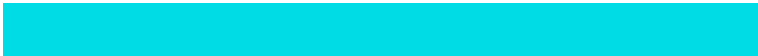


# Rectangle

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



56.7530, 0.2884, 0.4085



56.7530, 0.2210, 0.3162



56.7530, 0.3299, 0.2649



56.7530, 0.4132, 0.3289

# Sweetspot

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



56.7553, 0.2884, 0.4085



93.4525, 0.3050, 0.3490



61.6053, 0.3488, 0.4391



19.8633, 0.3042, 0.3514



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.



56.7553, 0.2884, 0.4085



79.3634, 0.2847, 0.4286



58.5595, 0.2638, 0.3465



14.6832, 0.3067, 0.3443



30.3922, 0.2843, 0.5435



1.9851, 0.2750, 0.5100



# Inverse Universe

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



33.7075, 0.3500, 0.2616



41.8962, 0.3609, 0.2484



32.1385, 0.4009, 0.3129



13.1913, 0.3192, 0.3141



10.0793, 0.4370, 0.2181

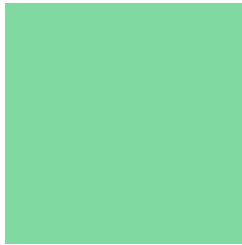


0.6692, 0.4132, 0.2050



# Previews

## White Background



This preview shows how the Yxy color 56.7530, 0.2884, 0.4085 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

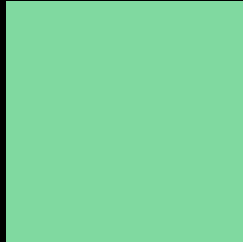
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.7530, 0.2884, 0.4085 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 56.7530, 0.2884, 0.4085**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.7530, 0.2884, 0.4085.

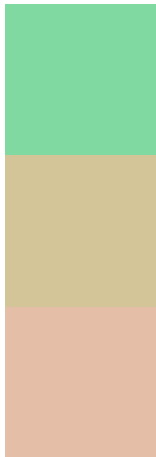


This preview shows how white text looks on a background with the Yxy color 56.7530, 0.2884, 0.4085.

# 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

56.7530, 0.2884, 0.4085

### Protanopia

56.0158, 0.3596, 0.3843

### Deuteranopia

56.0741, 0.3643, 0.3566



## Tritanopia

56.3876, 0.2587, 0.3073

# Trichromacy



## Original Color

56.7530, 0.2884, 0.4085



## Protanomaly

55.3426, 0.3305, 0.3935



## Deuteranomaly

55.1954, 0.3329, 0.3743



## Tritanomaly

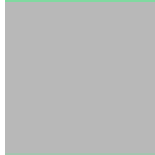
56.2089, 0.2697, 0.3421

# Monochromacy



## Original Color

56.7530, 0.2884, 0.4085



## Achromatopsia

47.9320, 0.3127, 0.3290



## Achromatomaly

50.4675, 0.3028, 0.3572

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  56.7530, 0.2884, 0.4085 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(128, 217, 160)` looks like.

```
.text, #text, p{  
    color:rgb(128, 217, 160)  
}
```

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(128, 217, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 217, 160) }
```

## Border

The CSS property to change the border of an element to Yxy 56.7530, 0.2884, 0.4085 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(128, 217, 160) }
```

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

```
.border{ border-color:rgb(128, 217, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 217, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 217, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 217, 160);  
box-shadow:4px 4px 4px 4px rgb(128, 217,  
160) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.7530, 0.2884, 0.4085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 217, 160) }
```

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

```
.background{ background-color: rgb(128,  
217, 160) }
```

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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