

# Converting Colors

$Y_{xy}(58.5430, 0.2642, 0.3834)$

Have a look what the booklet for  
Yxy(58.5430, 0.2642, 0.3834)  
contains.

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# Color

**Yxy(58.6045, 0.2640, 0.3831)**

# Conversions

## Conversions Part 1

Format	Color
Hex	68DEB7
RGB	104, 222, 183
RGB Percent	41%, 87%, 72%
CMY	0.5918, 0.1294, 0.2823
CMYK	0.53, 0.00, 0.18, 0.13
HSL	160°, 64%, 64%
HSV	160°, 53%, 87%
XYZ	40.3852, 58.6045, 53.9847
YIQ	182.2720, -57.8090, -37.1450

# Conversions

## Conversions Part 2

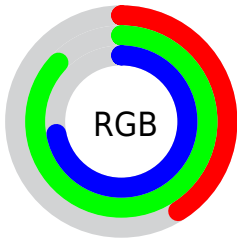
Format	Color
<a href="#">RYB</a>	<a href="#">104, 175, 222</a>
Decimal	<a href="#">6872759</a>
CIELab	<a href="#">81.07, -42.53, 9.07</a>
CIELCh	<a href="#">81, 43.485, 167.956</a>
Yxy	<a href="#">58.6045, 0.2640, 0.3831</a>
Android (android.graphics.Color)	<a href="#">4285062839 (0xFF68DEB7)</a>
YUV	<a href="#">182.2720, 0.3589, -68.6445</a>
Hunter-Lab	<a href="#">76.5536, -39.8025, 11.7769</a>

# Details

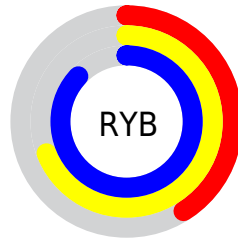
The Yxy color **58.6045, 0.2640, 0.3831** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **27.4332, 0.4142, 0.2837**, and the grayscale version is **46.9700, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5385, 0.2694, 0.3468**, and **29.2962, 0.2510, 0.3983** is the 20% darker color. If you saturate the color by 10%, you get **57.1495, 0.2588, 0.3955**, and if you desaturate by 10%, it is **60.4298, 0.2709, 0.3712**.

# Distribution



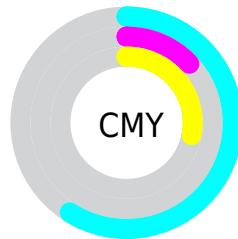
- Red (41%)
- Green (87%)
- Blue (72%)



- Red (41%)
- Yellow (69%)
- Blue (87%)



- Cyan (53%)
- Magenta (0%)
- Yellow (18%)
- Black (13%)




- Cyan (59%)
- Magenta (13%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.6045, 0.2640, 0.3831 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 58.6045, 0.2640, 0.3831 by changing the saturation by 10% instead.




 58.6045, 0.2640,  
0.3831


 58.6045, 0.2640,  
0.3831


419.4347, 0.2878,  
0.3562

 42.2948, 0.2583,  
0.3898


 102.8026, 0.2725,  
0.3734

 29.3322, 0.2510,  
0.3983


 131.4599, 0.2757,  
0.3697

 19.3323, 0.2415,  
0.4095


 165.0018, 0.2785,  
0.3666

 11.9106, 0.2286,  
0.4251

 203.8127, 0.2809,  
0.3639

 6.6828, 0.2103,  
0.4480

248.2770, 0.2829,  
0.3616

 3.2646, 0.1820,  
0.4846

298.7792, 0.2847,

 1.2714, 0.0605,

0.3596

0.6057

355.7036, 0.2863,  
0.3578

■ 0.1189, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.6045, 0.2640,  
0.3831

■ 58.6045, 0.2640,  
0.3831

■ 57.1495, 0.2588,  
0.3955

■ 60.4298, 0.2709,  
0.3712

■ 56.0295, 0.2554,  
0.4082


■ 62.6437, 0.2792,  
0.3600


■ 55.2143, 0.2541,  
0.4210

■ 65.2714, 0.2886,  
0.3497


■ 54.6644, 0.2548,  
0.4336

■ 68.3342, 0.2987,  
0.3401

 54.3959, 0.2562,  
0.4422

 71.8516, 0.3093,  
0.3315

 75.8421, 0.3202,  
0.3238

 79.4623, 0.3279,  
0.3167

 79.8940, 0.3230,  
0.3096

 80.3434, 0.3181,  
0.3026

# Harmonies

## Analogous

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



58.6045, 0.3164, 0.4236



58.6045, 0.2640, 0.3831



58.6045, 0.2267, 0.3260

# Triad

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



58.6045, 0.2640, 0.3831



58.6045, 0.2513, 0.2406



58.6045, 0.4252, 0.3656

# Complementary

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



58.6045, 0.2640, 0.3831



27.4332, 0.4142, 0.2837

# 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.



58.6045, 0.4057, 0.3217



58.6045, 0.2640, 0.3831



58.6045, 0.3008, 0.2532

# Square

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



58.6045, 0.2640, 0.3831



58.6045, 0.2204, 0.2477



58.6045, 0.3583, 0.2820



58.6045, 0.4111, 0.4056



# Rectangle

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



58.6045, 0.2640, 0.3831



58.6045, 0.2142, 0.2912



58.6045, 0.3583, 0.2820



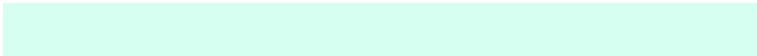
58.6045, 0.4224, 0.3509

# Sweetspot

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



58.6068, 0.2640, 0.3831



92.2275, 0.2956, 0.3429



59.1152, 0.3292, 0.4863



19.5518, 0.2935, 0.3449



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.



58.6068, 0.2640, 0.3831



78.0036, 0.2582, 0.3972



50.6245, 0.2394, 0.3023



15.4912, 0.3026, 0.3369



32.3335, 0.2557, 0.4404



2.2575, 0.2503, 0.4210



# Inverse Universe

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



27.4332, 0.4142, 0.2837



30.9478, 0.4500, 0.2773



30.8806, 0.4540, 0.3523



13.7749, 0.3240, 0.3213



9.5316, 0.5642, 0.2882

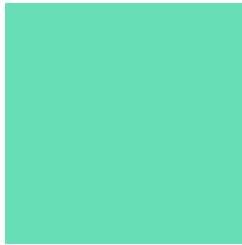


0.6769, 0.5206, 0.2642



# Previews

## White Background



This preview shows how the Yxy color 58.6045, 0.2640, 0.3831 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

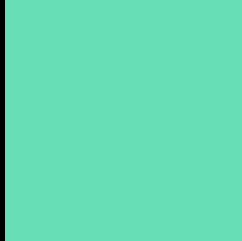
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.6045, 0.2640, 0.3831 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

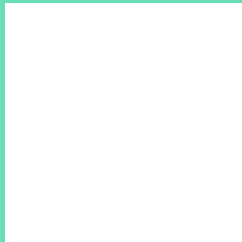
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.6045, 0.2640, 0.3831**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.6045, 0.2640, 0.3831.

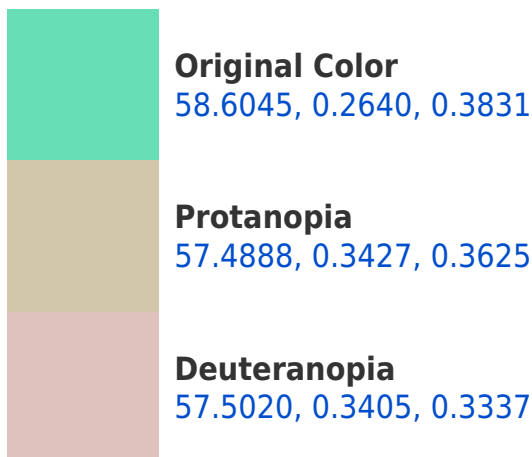


This preview shows how white text looks on a background with the Yxy color 58.6045, 0.2640, 0.3831.

# 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





## Tritanopia

58.4060, 0.2442, 0.3059

# Trichromacy



## Original Color

58.6045, 0.2640, 0.3831



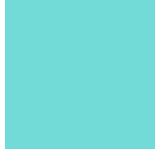
## Protanomaly

56.3787, 0.3078, 0.3704



## Deuteranomaly

56.4769, 0.3064, 0.3504



## Tritanomaly

58.6265, 0.2513, 0.3328

# Monochromacy



## Original Color

58.6045, 0.2640, 0.3831



## Achromatopsia

46.7784, 0.3127, 0.3290



## Achromatomaly

50.1799, 0.2905, 0.3493

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.6045, 0.2640, 0.3831 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(104, 222, 183)` looks like.

```
.text, #text, p{  
    color:rgb(104, 222, 183)  
}
```

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(104, 222, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 222, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 58.6045, 0.2640, 0.3831 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(104, 222, 183) }
```

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

```
.border{ border-color:rgb(104, 222, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 222, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 222, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 222, 183);  
box-shadow:4px 4px 4px 4px rgb(104, 222,  
183) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.6045, 0.2640, 0.3831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 222, 183) }
```

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

```
.background{ background-color: rgb(104,  
222, 183) }
```

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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