

# Converting Colors

$Yxy(64.2874, 0.2583, 0.4061)$

Have a look what the booklet for  
Yxy(64.2874, 0.2583, 0.4061)  
contains.

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# Color

**Yxy(64.2078, 0.2585, 0.4066)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4CEBB3
RGB	76, 235, 179
RGB Percent	30%, 92%, 70%
CMY	0.7022, 0.0784, 0.2981
CMYK	0.68, 0.00, 0.24, 0.08
HSL	159°, 80%, 61%
HSV	159°, 68%, 92%
XYZ	40.8207, 64.2078, 52.8854
YIQ	181.0750, -76.7880, -51.1240

# Conversions

## Conversions Part 2

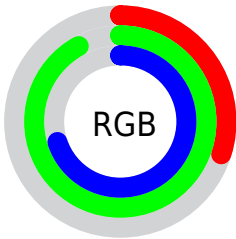
Format	Color
<a href="#">RYB</a>	<a href="#">76, 172, 235</a>
Decimal	<a href="#">5041075</a>
CIELab	<a href="#">84.07, -54.11, 15.33</a>
CIELCh	<a href="#">84, 56.242, 164.185</a>
Yxy	<a href="#">64.2078, 0.2585, 0.4066</a>
Android (android.graphics.Color)	<a href="#">4283231155 (0xFF4CEBB3)</a>
YUV	<a href="#">181.0750, -1.0230, -92.1508</a>
Hunter-Lab	<a href="#">80.1298, -49.2933, 16.9596</a>

# Details

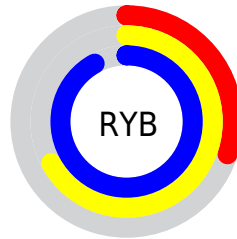
The Yxy color **64.2078, 0.2585, 0.4066** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted spring green. A complement of this color would be **24.4884, 0.4563, 0.2725**, and the grayscale version is **46.2792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2689, 0.2617, 0.3520**, and **33.3471, 0.2518, 0.4266** is the 20% darker color. If you saturate the color by 10%, you get **63.0932, 0.2563, 0.4203**, and if you desaturate by 10%, it is **65.6988, 0.2627, 0.3931**.

# Distribution



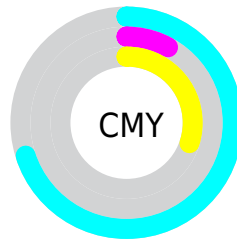
- Red (30%)
- Green (92%)
- Blue (70%)



- Red (30%)
- Yellow (67%)
- Blue (92%)



- Cyan (68%)
- Magenta (0%)
- Yellow (24%)
- Black (8%)




- Cyan (70%)
- Magenta (8%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.2078, 0.2585, 0.4066 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 64.2078, 0.2585, 0.4066 by changing the saturation by 10% instead.





 64.2078, 0.2585,  
0.4066


 64.2078, 0.2585,  
0.4066


439.9397, 0.2849,  
0.3680

 46.8190, 0.2521,  
0.4161


 110.9101, 0.2679,  
0.3926


 32.8926, 0.2441,  
0.4283


 140.9925, 0.2715,  
0.3874

 22.0442, 0.2336,  
0.4444


 176.0748, 0.2746,  
0.3829

 13.8894, 0.2194,  
0.4664

 216.5415, 0.2772,  
0.3791

 8.0438, 0.1994,  
0.4986

262.7769, 0.2795,  
0.3758

 4.1230, 0.1690,  
0.5492

315.1655, 0.2816,

 1.7426, 0.0633,

0.3729

0.6895

374.0916, 0.2833,  
0.3703

■ 0.4510, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 64.2078, 0.2585,  
0.4066

■ 64.2078, 0.2585,  
0.4066

■ 63.0932, 0.2563,  
0.4203

■ 65.6988, 0.2627,  
0.3931

■ 62.3067, 0.2562,  
0.4340

■ 67.5932, 0.2687,  
0.3800


■ 61.7958, 0.2579,  
0.4474


■ 69.9243, 0.2762,  
0.3677

■ 61.6974, 0.2585,  
0.4505


■ 72.7197, 0.2849,  
0.3561

 76.0045, 0.2945,  
0.3455

 79.8022, 0.3046,  
0.3358

 84.1347, 0.3152,  
0.3271

 87.2867, 0.3198,  
0.3191

 87.8041, 0.3146,  
0.3112

# Harmonies

## Analogous

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



64.2078, 0.3240, 0.4537



64.2078, 0.2585, 0.4066



64.2078, 0.2109, 0.3328

# Triad

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



64.2078, 0.2585, 0.4066



64.2078, 0.2308, 0.2209



64.2078, 0.4527, 0.3643

# Complementary

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



64.2078, 0.2585, 0.4066



24.4884, 0.4563, 0.2725

# 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.



64.2078, 0.4236, 0.3119



64.2078, 0.2585, 0.4066



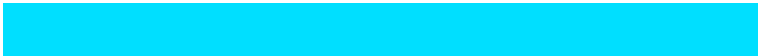
64.2078, 0.2884, 0.2337

# Square

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



64.2078, 0.2585, 0.4066



64.2078, 0.1973, 0.2314



64.2078, 0.3603, 0.2659



64.2078, 0.4384, 0.4154



# Rectangle

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



64.2078, 0.2585, 0.4066



64.2078, 0.1940, 0.2875



64.2078, 0.3603, 0.2659



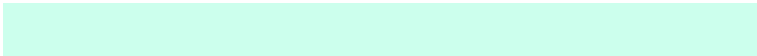
64.2078, 0.4478, 0.3465

# Sweetspot

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



64.2103, 0.2585, 0.4066



90.4742, 0.2921, 0.3479



65.0329, 0.3320, 0.5281



19.1220, 0.2893, 0.3509



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.



64.2103, 0.2585, 0.4066



75.5478, 0.2560, 0.4254



55.5243, 0.2273, 0.3008



17.0266, 0.3028, 0.3374



34.3594, 0.2579, 0.4484



2.7162, 0.2527, 0.4298



# Inverse Universe

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



24.4884, 0.4563, 0.2725



24.7959, 0.5025, 0.2722



26.7610, 0.5209, 0.3498



15.1417, 0.3238, 0.3207



10.1972, 0.5565, 0.2839

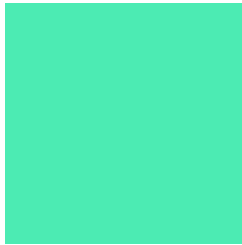


0.8184, 0.5181, 0.2628



# Previews

## White Background



This preview shows how the Yxy color 64.2078, 0.2585, 0.4066 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 64.2078, 0.2585, 0.4066 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 64.2078, 0.2585, 0.4066**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.2078, 0.2585, 0.4066.



This preview shows how white text looks on a background with the Yxy color 64.2078, 0.2585, 0.4066.

# 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

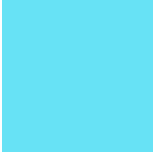
64.2078, 0.2585, 0.4066

### Protanopia

63.2371, 0.3535, 0.3772

### Deuteranopia

62.7293, 0.3515, 0.3434



## **Tritanopia**

63.8688, 0.2355, 0.3052

# Trichromacy



## Original Color

64.2078, 0.2585, 0.4066



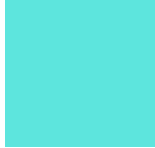
## Protanomaly

61.4079, 0.3078, 0.3892



## Deuteranomaly

60.5142, 0.3067, 0.3653



## Tritanomaly

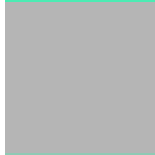
63.5862, 0.2432, 0.3392

# Monochromacy



## Original Color

64.2078, 0.2585, 0.4066



## Achromatopsia

46.2077, 0.3127, 0.3290



## Achromatomaly

50.9082, 0.2844, 0.3579

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.2078, 0.2585, 0.4066 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(76, 235, 179)` looks like.

```
.text, #text, p{  
    color:rgb(76, 235, 179)  
}
```

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(76, 235, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 235, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 64.2078, 0.2585, 0.4066 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(76, 235, 179) }
```

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

```
.border{ border-color:rgb(76, 235, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 235, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 235, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 235, 179);  
box-shadow:4px 4px 4px 4px rgb(76, 235,  
179) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.2078, 0.2585, 0.4066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 235, 179) }
```

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

```
.background{ background-color: rgb(76, 235,  
179) }
```

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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