

# Converting Colors

$Yxy(61.7376, 0.2535, 0.3888)$

Have a look what the booklet for  
Yxy(61.7376, 0.2535, 0.3888)  
contains.

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# Color

**Yxy(61.7180, 0.2535, 0.3887)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4CE6BB
RGB	76, 230, 187
RGB Percent	30%, 90%, 73%
CMY	0.7017, 0.0980, 0.2666
CMYK	0.67, 0.00, 0.19, 0.10
HSL	163°, 75%, 60%
HSV	163°, 67%, 90%
XYZ	40.2509, 61.7180, 56.8117
YIQ	179.0520, -77.9810, -46.0210

# Conversions

## Conversions Part 2

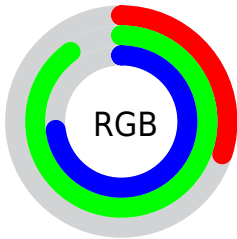
<b>Format</b>	<b>Color</b>
<b>RYB</b>	76, 165, 230
Decimal	5039803
CIELab	82.76, -50.23, 9.27
CIELCh	83, 51.076, 169.543
Yxy	61.7180, 0.2535, 0.3887
Android (android.graphics.Color)	4283229883 (0xFF4CE6BB)
YUV	179.0520, 3.9184, -90.3766
Hunter-Lab	78.5608, -46.0264, 12.1167

# Details

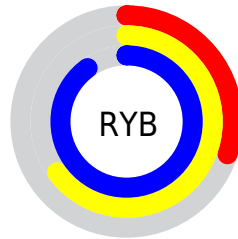
The Yxy color **61.7180, 0.2535, 0.3887** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted spring green. A complement of this color would be **23.3322, 0.4712, 0.2852**, and the grayscale version is **45.1277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6538, 0.2577, 0.3426**, and **31.6084, 0.2452, 0.4027** is the 20% darker color. If you saturate the color by 10%, you get **60.6711, 0.2505, 0.3993**, and if you desaturate by 10%, it is **63.1187, 0.2584, 0.3783**.

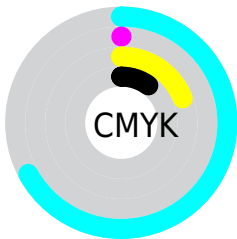
# Distribution



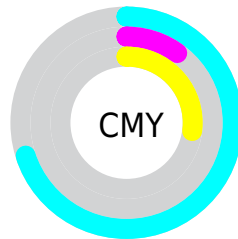
- Red (30%)
- Green (90%)
- Blue (73%)



- Red (30%)
- Yellow (65%)
- Blue (90%)



- Cyan (67%)
- Magenta (0%)
- Yellow (19%)
- Black (10%)




- Cyan (70%)
- Magenta (10%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.7180, 0.2535, 0.3887 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 61.7180, 0.2535, 0.3887 by changing the saturation by 10% instead.





 61.7180, 0.2535,  
0.3887

 61.7180, 0.2535,  
0.3887


430.9017, 0.2821,  
0.3593


 44.8049, 0.2467,  
0.3959


 107.3179, 0.2636,  
0.3781


 31.3038, 0.2382,  
0.4051


 136.7734, 0.2675,  
0.3741

 20.8303, 0.2271,  
0.4171


 171.1785, 0.2708,  
0.3707

 13.0000, 0.2124,  
0.4336

 210.9176, 0.2737,  
0.3678

 7.4285, 0.1917,  
0.4575

256.3751, 0.2762,  
0.3652

 3.7315, 0.1609,  
0.4948

307.9353, 0.2784,

 1.5245, 0.0462,

0.3630

0.6022

365.9827, 0.2803,  
0.3610

0.3059, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

61.7180, 0.2535,  
0.3887

61.7180, 0.2535,  
0.3887

60.6711, 0.2505,  
0.3993

63.1187, 0.2584,  
0.3783

59.9327, 0.2496,  
0.4099

64.8983, 0.2652,  
0.3682

59.4565, 0.2505,  
0.4204


67.0878, 0.2735,  
0.3586


59.3382, 0.2510,  
0.4236

69.7131, 0.2830,  
0.3497

 72.7977, 0.2935,  
0.3414

 76.3637, 0.3047,  
0.3338

 80.4316, 0.3163,  
0.3270

 84.0493, 0.3245,  
0.3208

 84.4344, 0.3203,  
0.3146

# Harmonies

## Analogous

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



61.7180, 0.3125, 0.4382



61.7180, 0.2535, 0.3887



61.7180, 0.2130, 0.3212

# Triad

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



61.7180, 0.2535, 0.3887



61.7180, 0.2449, 0.2290



61.7180, 0.4423, 0.3716

# Complementary

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



61.7180, 0.2535, 0.3887



23.3322, 0.4712, 0.2852

# 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.



61.7180, 0.4223, 0.3222



61.7180, 0.2535, 0.3887



61.7180, 0.3019, 0.2444

# Square

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



61.7180, 0.2535, 0.3887



61.7180, 0.2091, 0.2351



61.7180, 0.3685, 0.2774



61.7180, 0.4233, 0.4174



# Rectangle

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



61.7180, 0.2535, 0.3887



61.7180, 0.2001, 0.2817



61.7180, 0.3685, 0.2774



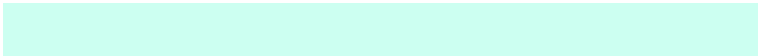
61.7180, 0.4401, 0.3551

# Sweetspot

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



61.7204, 0.2535, 0.3887



90.6939, 0.2901, 0.3439



61.0855, 0.3242, 0.5309



19.1750, 0.2871, 0.3463



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.



61.7204, 0.2535, 0.3887



76.3028, 0.2500, 0.4031



47.0232, 0.2236, 0.2830



16.2641, 0.3019, 0.3356



33.6160, 0.2506, 0.4220



2.4997, 0.2463, 0.4067



# Inverse Universe

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



23.3322, 0.4712, 0.2852



24.7096, 0.5223, 0.2860



28.3703, 0.5054, 0.3634



14.4338, 0.3249, 0.3225



9.7532, 0.5829, 0.2985

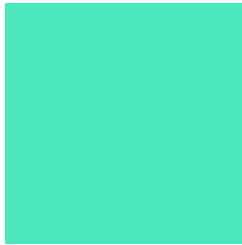


0.7362, 0.5412, 0.2755



# Previews

## White Background



This preview shows how the Yxy color 61.7180, 0.2535, 0.3887 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 61.7180, 0.2535, 0.3887 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

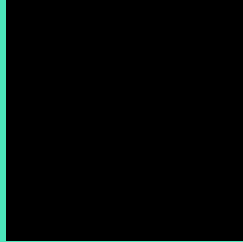
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

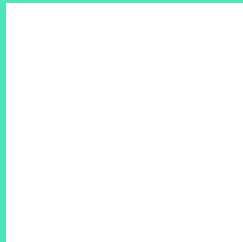
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 61.7180, 0.2535, 0.3887**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.7180, 0.2535, 0.3887.

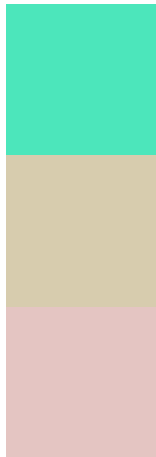


This preview shows how white text looks on a background with the Yxy color 61.7180, 0.2535, 0.3887.

# 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

61.7180, 0.2535, 0.3887

### Protanopia

60.6888, 0.3435, 0.3641

### Deuteranopia

60.3215, 0.3400, 0.3324



## Tritanopia

61.7789, 0.2349, 0.3061

# Trichromacy



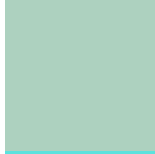
## Original Color

61.7180, 0.2535, 0.3887



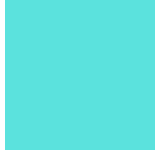
## Protanomaly

58.7357, 0.3000, 0.3730



## Deuteranomaly

58.2468, 0.2985, 0.3517



## Tritanomaly

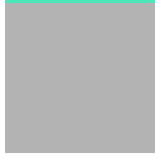
61.8373, 0.2417, 0.3354

# Monochromacy



## Original Color

61.7180, 0.2535, 0.3887



## Achromatopsia

45.0786, 0.3127, 0.3290



## Achromatomaly

49.5163, 0.2822, 0.3511

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.7180, 0.2535, 0.3887 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, 230, 187)` looks like.

```
.text, #text, p{  
    color:rgb(76, 230, 187)  
}
```

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, 230, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 230, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 61.7180, 0.2535, 0.3887 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, 230, 187) }
```

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

```
.border{ border-color:rgb(76, 230, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 230, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 230, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 230, 187);  
box-shadow:4px 4px 4px 4px rgb(76, 230,  
187) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.7180, 0.2535, 0.3887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 230, 187) }
```

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

```
.background{ background-color: rgb(76, 230,  
187) }
```

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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