

# Converting Colors

$Y_{xy}(57.8690, 0.2578, 0.3916)$

Have a look what the booklet for  
Yxy(57.8690, 0.2578, 0.3916)  
contains.

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# Color

**Yxy(57.8690, 0.2578, 0.3916)**

# Conversions

## Conversions Part 1

Format	Color
Hex	53DFB3
RGB	83, 223, 179
RGB Percent	33%, 87%, 70%
CMY	0.6742, 0.1255, 0.2980
CMYK	0.63, 0.00, 0.20, 0.13
HSL	161°, 69%, 60%
HSV	161°, 63%, 87%
XYZ	38.0966, 57.8690, 51.8102
YIQ	176.1240, -69.3160, -43.3640

# Conversions

## Conversions Part 2

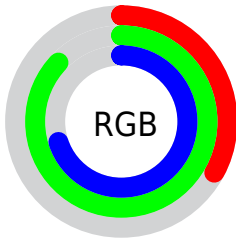
Format	Color
<b>RYB</b>	83, 166, 223
Decimal	5496755
CIELab	80.67, -48.01, 10.53
CIELCh	81, 49.149, 167.635
Yxy	57.8690, 0.2578, 0.3916
Android (android.graphics.Color)	4283686835 (0xFF53DFB3)
YUV	176.1240, 1.4179, -81.6697
Hunter-Lab	76.0717, -43.7329, 12.8695

# Details

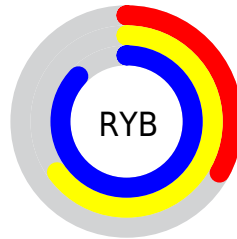
The Yxy color **57.8690, 0.2578, 0.3916** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **23.4205, 0.4478, 0.2807**, and the grayscale version is **43.5155, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5379, 0.2630, 0.3519**, and **29.1438, 0.2471, 0.4095** is the 20% darker color. If you saturate the color by 10%, you get **56.7372, 0.2543, 0.4036**, and if you desaturate by 10%, it is **59.3459, 0.2632, 0.3799**.

# Distribution



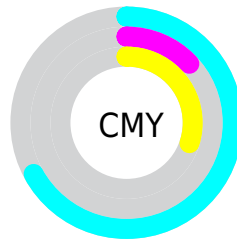
- Red (33%)
- Green (87%)
- Blue (70%)



- Red (33%)
- Yellow (65%)
- Blue (87%)



- Cyan (63%)
- Magenta (0%)
- Yellow (20%)
- Black (13%)



- Cyan (67%)
- Magenta (13%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.8690, 0.2578, 0.3916 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 57.8690, 0.2578, 0.3916 by changing the saturation by 10% instead.





 57.8690, 0.2578,  
0.3916


 57.8690, 0.2578,  
0.3916


416.6976, 0.2847,  
0.3603


 41.7033, 0.2513,  
0.3994


 101.7321, 0.2674,  
0.3802


 28.8691, 0.2430,  
0.4094


 130.1983, 0.2711,  
0.3759

 18.9818, 0.2322,  
0.4227


 163.5334, 0.2742,  
0.3723

 11.6571, 0.2175,  
0.4412

 202.1220, 0.2769,  
0.3692

 6.5107, 0.1965,  
0.4685

246.3483, 0.2792,  
0.3665

 3.1580, 0.1644,  
0.5125

296.5967, 0.2813,

 1.2148, 0.0000,

0.3642

0.6884

353.2517, 0.2831,  
0.3621

■ 0.0737, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.8690, 0.2578,  
0.3916

■ 57.8690, 0.2578,  
0.3916

■ 56.7372, 0.2543,  
0.4036

■ 59.3459, 0.2632,  
0.3799

■ 55.9110, 0.2528,  
0.4157


■ 61.1896, 0.2703,  
0.3687

■ 55.3531, 0.2532,  
0.4277


■ 63.4278, 0.2788,  
0.3581


■ 55.0698, 0.2545,  
0.4363


■ 66.0835, 0.2884,  
0.3483

 69.1780, 0.2988,  
0.3393

 72.7312, 0.3097,  
0.3311

 76.7617, 0.3208,  
0.3238

 80.0376, 0.3274,  
0.3171

 80.4512, 0.3226,  
0.3102

# Harmonies

## Analogous

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



57.8690, 0.3167, 0.4380



57.8690, 0.2578, 0.3916



57.8690, 0.2163, 0.3255

# Triad

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



57.8690, 0.2578, 0.3916



57.8690, 0.2430, 0.2301



57.8690, 0.4401, 0.3681

# Complementary

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



57.8690, 0.2578, 0.3916



23.4205, 0.4478, 0.2807

# 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.



57.8690, 0.4179, 0.3194



57.8690, 0.2578, 0.3916



57.8690, 0.2981, 0.2441

# Square

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



57.8690, 0.2578, 0.3916



57.8690, 0.2092, 0.2377



57.8690, 0.3635, 0.2757



57.8690, 0.4238, 0.4137

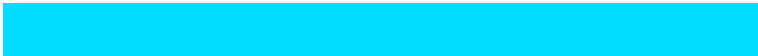


# Rectangle

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



57.8690, 0.2578, 0.3916



57.8690, 0.2025, 0.2859



57.8690, 0.3635, 0.2757



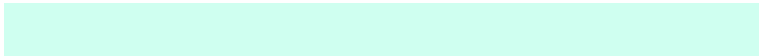
57.8690, 0.4371, 0.3518

# Sweetspot

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



57.8713, 0.2578, 0.3916



90.9980, 0.2921, 0.3449



57.9414, 0.3278, 0.5166



19.2293, 0.2892, 0.3476



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.



57.8713, 0.2578, 0.3916



76.5356, 0.2536, 0.4070



47.2598, 0.2292, 0.2932



15.4952, 0.3023, 0.3365



32.4024, 0.2540, 0.4345



2.2619, 0.2489, 0.4162



# Inverse Universe

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



23.4205, 0.4478, 0.2807



26.3510, 0.4930, 0.2783



27.1933, 0.4919, 0.3573



13.7712, 0.3243, 0.3217



9.5032, 0.5702, 0.2915

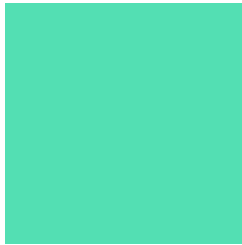


0.6745, 0.5263, 0.2673



# Previews

## White Background



This preview shows how the Yxy color 57.8690, 0.2578, 0.3916 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

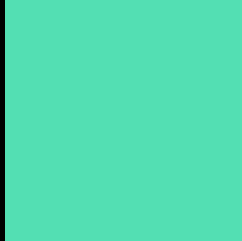
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.8690, 0.2578, 0.3916 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

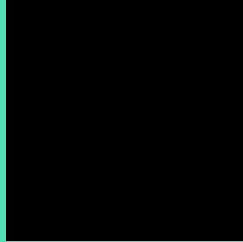
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 57.8690, 0.2578, 0.3916**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.8690, 0.2578, 0.3916.

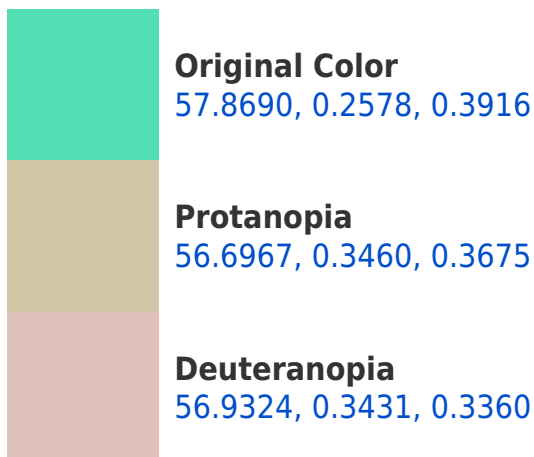


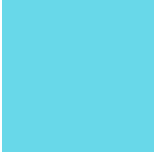
This preview shows how white text looks on a background with the Yxy color 57.8690, 0.2578, 0.3916.

# 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

57.9380, 0.2382, 0.3069

# Trichromacy



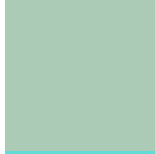
## Original Color

57.8690, 0.2578, 0.3916



## Protanomaly

55.3525, 0.3046, 0.3766



## Deuteranomaly

54.9014, 0.3032, 0.3548



## Tritanomaly

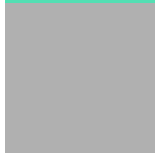
57.9539, 0.2451, 0.3369

# Monochromacy



## Original Color

57.8690, 0.2578, 0.3916



## Achromatopsia

43.4154, 0.3127, 0.3290



## Achromatomaly

47.0650, 0.2850, 0.3515

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.8690, 0.2578, 0.3916 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(83, 223, 179)` looks like.

```
.text, #text, p{  
    color:rgb(83, 223, 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(83, 223, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 223, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 57.8690, 0.2578, 0.3916 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(83, 223, 179) }
```

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

```
.border{ border-color:rgb(83, 223, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 223, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 223, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 223, 179);  
box-shadow:4px 4px 4px 4px rgb(83, 223,  
179) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.8690, 0.2578, 0.3916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 223, 179) }
```

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

```
.background{ background-color: rgb(83, 223,  
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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