

# Converting Colors

$Yxy(57.6432, 0.2522, 0.3680)$

Have a look what the booklet for  
Yxy(57.6432, 0.2522, 0.3680)  
contains.

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# Color

**Yxy(57.6379, 0.2522, 0.3680)**

# Conversions

## Conversions Part 1

Format	Color
Hex	58DDC1
RGB	88, 221, 193
RGB Percent	35%, 87%, 76%
CMY	0.6551, 0.1333, 0.2432
CMYK	0.60, 0.00, 0.13, 0.13
HSL	167°, 66%, 61%
HSV	167°, 60%, 87%
XYZ	39.5008, 57.6379, 59.4861
YIQ	178.0410, -70.2800, -36.9040

# Conversions

## Conversions Part 2

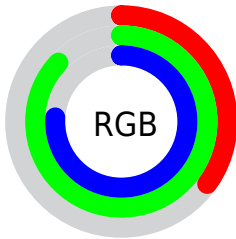
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	88, 162, 221
Decimal	5823937
CIE Lab	80.54, -42.98, 2.94
CIE LCh	81, 43.080, 176.081
Yxy	57.6379, 0.2522, 0.3680
Android (android.graphics.Color)	4284014017 (0xFF58DDC1)
YUV	178.0410, 7.3748, -78.9660
Hunter-Lab	75.9196, -39.9863, 6.6876

# Details

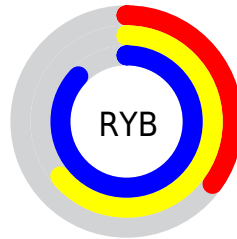
The Yxy color **57.6379, 0.2522, 0.3680** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted cyan. A complement of this color would be **23.6040, 0.4603, 0.2980**, and the grayscale version is **44.5243, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8436, 0.2588, 0.3356**, and **28.8037, 0.2381, 0.3770** is the 20% darker color. If you saturate the color by 10%, you get **56.5165, 0.2473, 0.3757**, and if you desaturate by 10%, it is **59.0971, 0.2589, 0.3605**.

# Distribution



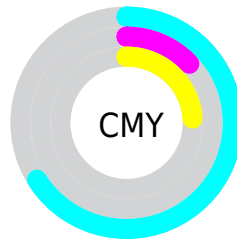
- Red (35%)
- Green (87%)
- Blue (76%)



- Red (35%)
- Yellow (64%)
- Blue (87%)



- Cyan (60%)
- Magenta (0%)
- Yellow (13%)
- Black (13%)



- Cyan (66%)
- Magenta (13%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.6379, 0.2522, 0.3680 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 57.6379, 0.2522, 0.3680 by changing the saturation by 10% instead.




 57.6379, 0.2522,  
0.3680


 57.6379, 0.2522,  
0.3680


415.8353, 0.2813,  
0.3490

 41.5176, 0.2453,  
0.3726


 101.3954, 0.2625,  
0.3612

 28.7238, 0.2366,  
0.3784


 129.8013, 0.2665,  
0.3586

 18.8719, 0.2254,  
0.3859


 163.0713, 0.2698,  
0.3564

 11.5778, 0.2104,  
0.3962

 201.5897, 0.2728,  
0.3545

 6.4569, 0.1894,  
0.4108

245.7409, 0.2753,  
0.3529

 3.1248, 0.1583,  
0.4332

295.9093, 0.2776,

 1.1972, 0.0256,

0.3514

352.4793, 0.2795,  
0.3502

0.5150

0.0595, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

57.6379, 0.2522,  
0.3680

57.6379, 0.2522,  
0.3680

56.5165, 0.2473,  
0.3757

59.0971, 0.2589,  
0.3605

55.6955, 0.2444,  
0.3834


60.9141, 0.2674,  
0.3533


55.1407, 0.2435,  
0.3912


63.1153, 0.2772,  
0.3465

54.7928, 0.2441,  
0.3987


65.7227, 0.2882,  
0.3402

 68.7566, 0.3001,  
0.3344

 72.2359, 0.3125,  
0.3291

 76.1784, 0.3252,  
0.3243

 78.7044, 0.3309,  
0.3199

 78.9697, 0.3277,  
0.3153

# Harmonies

## Analogous

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



57.6379, 0.3015, 0.4153



57.6379, 0.2522, 0.3680



57.6379, 0.2207, 0.3112

# Triad

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



57.6379, 0.2522, 0.3680



57.6379, 0.2634, 0.2424



57.6379, 0.4242, 0.3771

# Complementary

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



57.6379, 0.2522, 0.3680



23.6040, 0.4603, 0.2980

# 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.



57.6379, 0.4138, 0.3335



57.6379, 0.2522, 0.3680



57.6379, 0.3162, 0.2598

# Square

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



57.6379, 0.2522, 0.3680



57.6379, 0.2270, 0.2439



57.6379, 0.3728, 0.2920



57.6379, 0.4019, 0.4140

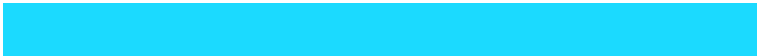


# Rectangle

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



57.6379, 0.2522, 0.3680



57.6379, 0.2124, 0.2794



57.6379, 0.3728, 0.2920



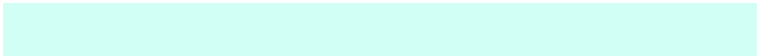
57.6379, 0.4245, 0.3628

# Sweetspot

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



57.6402, 0.2522, 0.3680



91.7028, 0.2906, 0.3390



56.1885, 0.3194, 0.5139



19.3813, 0.2872, 0.3408



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.



57.6402, 0.2522, 0.3680



77.8499, 0.2465, 0.3775



41.2871, 0.2272, 0.2754



14.7801, 0.3010, 0.3340



31.8435, 0.2438, 0.3975



2.0750, 0.2403, 0.3850



# Inverse Universe

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



23.6040, 0.4603, 0.2980



26.9448, 0.5103, 0.2967



30.9085, 0.4696, 0.3722



13.0962, 0.3259, 0.3241



9.0605, 0.6036, 0.3099

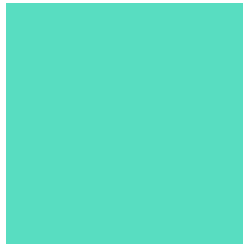


0.5997, 0.5579, 0.2847



# Previews

## White Background



This preview shows how the Yxy color 57.6379, 0.2522, 0.3680 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

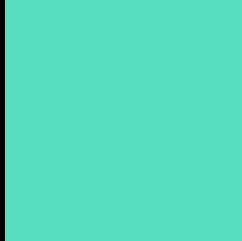
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.6379, 0.2522, 0.3680 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

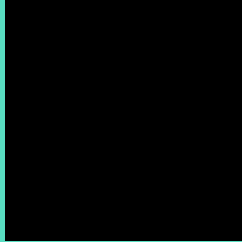
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

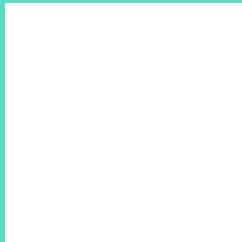
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 57.6379, 0.2522, 0.3680**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.6379, 0.2522, 0.3680.



This preview shows how white text looks on a background with the Yxy color 57.6379, 0.2522, 0.3680.

# 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

57.6379, 0.2522, 0.3680

### Protanopia

56.8053, 0.3326, 0.3507

### Deuteranopia

56.5745, 0.3278, 0.3210



## Tritanopia

57.3676, 0.2375, 0.3055

# Trichromacy



## Original Color

57.6379, 0.2522, 0.3680



## Protanomaly

55.4319, 0.2953, 0.3564



## Deuteranomaly

55.2891, 0.2923, 0.3366



## Tritanomaly

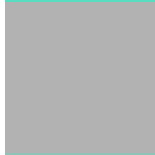
57.2843, 0.2430, 0.3275

# Monochromacy



## Original Color

57.6379, 0.2522, 0.3680



## Achromatopsia

44.5201, 0.3127, 0.3290



## Achromatomaly

48.0222, 0.2832, 0.3442

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.6379, 0.2522, 0.3680 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(88, 221, 193)` looks like.

```
.text, #text, p{  
    color:rgb(88, 221, 193)  
}
```

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(88, 221, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 221, 193) }
```

## Border

The CSS property to change the border of an element to Yxy 57.6379, 0.2522, 0.3680 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(88, 221, 193) }
```

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

```
.border{ border-color:rgb(88, 221, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 221, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 221, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 221, 193);  
box-shadow:4px 4px 4px 4px rgb(88, 221,  
193) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.6379, 0.2522, 0.3680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 221, 193) }
```

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

```
.background{ background-color: rgb(88, 221,  
193) }
```

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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