

# Converting Colors

$Y_{xy}(57.6353, 0.2706, 0.3675)$

Have a look what the booklet for  
Yxy(57.6353, 0.2706, 0.3675)  
contains.

<b>Yxy(57.6598, 0.2702, 0.3669)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**$\text{Yxy}(57.6598, 0.2702, 0.3669)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	7DD9BD
RGB	125, 217, 189
RGB Percent	49%, 85%, 74%
CMY	0.5095, 0.1490, 0.2588
CMYK	0.42, 0.00, 0.13, 0.15
HSL	162°, 55%, 67%
HSV	162°, 42%, 85%
XYZ	42.4630, 57.6598, 57.0312
YIQ	186.3000, -45.8440, -28.2120

# Conversions

## Conversions Part 2

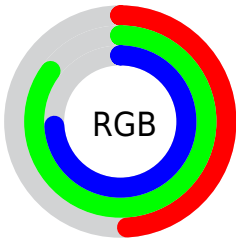
<b>Format</b>	<b>Color</b>
<b>RYB</b>	125, 179, 217
Decimal	8247741
CIELab	80.55, -33.93, 5.25
CIELCh	81, 34.332, 171.210
Yxy	57.6598, 0.2702, 0.3669
Android (android.graphics.Color)	4286437821 (0xFF7DD9BD)
YUV	186.3000, 1.3311, -53.7601
Hunter-Lab	75.9341, -33.0658, 8.6234

# Details

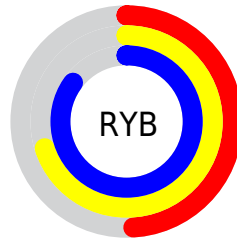
The Yxy color **57.6598, 0.2702, 0.3669** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **31.7400, 0.3878, 0.2951**, and the grayscale version is **49.3019, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9363, 0.2755, 0.3397**, and **28.8834, 0.2590, 0.3774** is the 20% darker color. If you saturate the color by 10%, you get **55.9217, 0.2629, 0.3777**, and if you desaturate by 10%, it is **59.7724, 0.2788, 0.3567**.

# Distribution



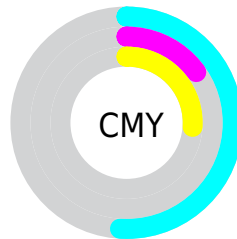
- Red (49%)
- Green (85%)
- Blue (74%)



- Red (49%)
- Yellow (70%)
- Blue (85%)



- Cyan (42%)
- Magenta (0%)
- Yellow (13%)
- Black (15%)




- Cyan (51%)
- Magenta (15%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.6598, 0.2702, 0.3669 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 57.6598, 0.2702, 0.3669 by changing the saturation by 10% instead.




 57.6598, 0.2702,  
0.3669


 57.6598, 0.2702,  
0.3669


415.9171, 0.2908,  
0.3482


 41.5352, 0.2652,  
0.3715


 101.4273, 0.2776,  
0.3602

 28.7375, 0.2590,  
0.3773


 129.8390, 0.2804,  
0.3576

 18.8824, 0.2508,  
0.3850


 163.1151, 0.2828,  
0.3555

 11.5853, 0.2398,  
0.3955

201.6402, 0.2848,  
0.3536

 6.4620, 0.2240,  
0.4108

245.7985, 0.2866,  
0.3520

 3.1280, 0.1998,  
0.4352

295.9745, 0.2882,

 1.1989, 0.1181,

0.3506

0.5026

352.5526, 0.2896,  
0.3494

0.0608, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

57.6598, 0.2702,  
0.3669

57.6598, 0.2702,  
0.3669

55.9217, 0.2629,  
0.3777

59.7724, 0.2788,  
0.3567

54.5276, 0.2574,  
0.3890


62.2741, 0.2886,  
0.3473


53.4532, 0.2536,  
0.4005

65.1870, 0.2991,  
0.3386


52.6682, 0.2520,  
0.4122


68.5296, 0.3101,  
0.3307

 52.1362, 0.2522,  
0.4238


 72.3192, 0.3213,  
0.3237

 51.8534, 0.2535,  
0.4325

 76.5203, 0.3324,  
0.3174

 76.8959, 0.3278,  
0.3109

 77.2857, 0.3233,  
0.3045

 77.6899, 0.3188,  
0.2981

# Harmonies

## Analogous

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



57.6598, 0.3118, 0.4004



57.6598, 0.2702, 0.3669



57.6598, 0.2413, 0.3227

# Triad

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



57.6598, 0.2702, 0.3669



57.6598, 0.2673, 0.2575



57.6598, 0.4021, 0.3637

# Complementary

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



57.6598, 0.2702, 0.3669



31.7400, 0.3878, 0.2951

# 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.



57.6598, 0.3892, 0.3279



57.6598, 0.2702, 0.3669



57.6598, 0.3086, 0.2693

# Square

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



57.6598, 0.2702, 0.3669



57.6598, 0.2399, 0.2622



57.6598, 0.3539, 0.2943



57.6598, 0.3891, 0.3943



# Rectangle

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



57.6598, 0.2702, 0.3669



57.6598, 0.2320, 0.2959



57.6598, 0.3539, 0.2943



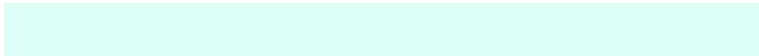
57.6598, 0.4008, 0.3520

# Sweetspot

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



57.6621, 0.2702, 0.3669



93.6125, 0.2983, 0.3392



57.9932, 0.3265, 0.4521



19.8277, 0.2959, 0.3411



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.



57.6621, 0.2702, 0.3669



80.8023, 0.2635, 0.3767



50.7497, 0.2516, 0.3063



14.7585, 0.3022, 0.3362



31.4109, 0.2530, 0.4309



2.0500, 0.2478, 0.4121



# Inverse Universe

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



31.7400, 0.3878, 0.2951



38.6154, 0.4133, 0.2885



35.5582, 0.4131, 0.3499



13.1165, 0.3244, 0.3219



9.1853, 0.5735, 0.2933



0.6102, 0.5267, 0.2675



# Previews

## White Background



This preview shows how the Yxy color 57.6598, 0.2702, 0.3669 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

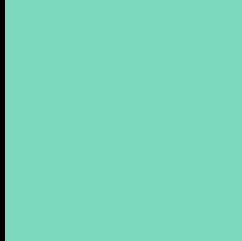
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.6598, 0.2702, 0.3669 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

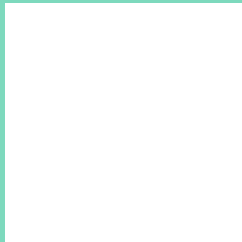
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 57.6598, 0.2702, 0.3669**

## Background



This preview shows how black text looks on a background with the Yxy color 57.6598, 0.2702, 0.3669.

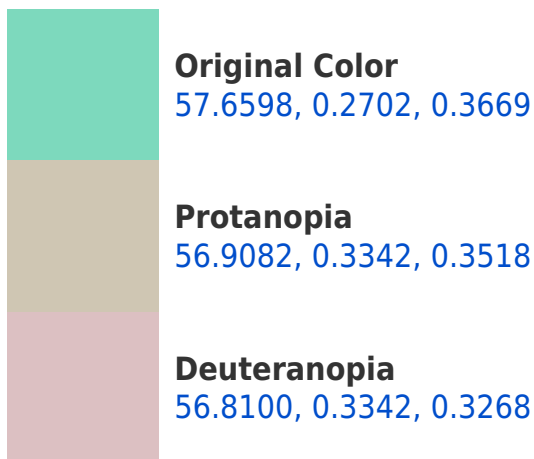


This preview shows how white text looks on a background with the Yxy color 57.6598, 0.2702, 0.3669.

# 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

57.3409, 0.2534, 0.3073

# Trichromacy



## Original Color

57.6598, 0.2702, 0.3669



## Protanomaly

56.4287, 0.3069, 0.3570



## Deuteranomaly

55.8933, 0.3068, 0.3402



## Tritanomaly

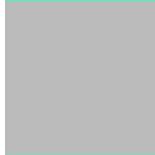
57.2688, 0.2590, 0.3275

# Monochromacy



## Original Color

57.6598, 0.2702, 0.3669



## Achromatopsia

49.1021, 0.3127, 0.3290



## Achromatomaly

51.4129, 0.2945, 0.3422

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  57.6598, 0.2702, 0.3669 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(125, 217, 189)` looks like.

```
.text, #text, p{  
    color:rgb(125, 217, 189)  
}
```

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(125, 217, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 217, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 57.6598, 0.2702, 0.3669 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(125, 217, 189) }
```

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

```
.border{ border-color:rgb(125, 217, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 217, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 217, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 217, 189);  
box-shadow:4px 4px 4px 4px rgb(125, 217,  
189) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.6598, 0.2702, 0.3669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 217, 189) }
```

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

```
.background{ background-color: rgb(125,  
217, 189) }
```

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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