

# Converting Colors

$Y_{xy}(57.7422, 0.2605, 0.3505)$

Have a look what the booklet for  
Yxy(57.7422, 0.2605, 0.3505)  
contains.

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# Color

**Yxy(57.7647, 0.2606, 0.3504)**

# Conversions

## Conversions Part 1

Format	Color
Hex	77D9C9
RGB	119, 217, 201
RGB Percent	47%, 85%, 79%
CMY	0.5333, 0.1490, 0.2119
CMYK	0.45, 0.00, 0.07, 0.15
HSL	170°, 56%, 66%
HSV	170°, 45%, 85%
XYZ	42.9608, 57.7647, 64.1280
YIQ	185.8740, -53.2720, -25.7520

# Conversions

## Conversions Part 2

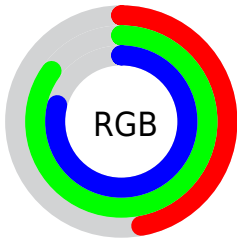
Format	Color
<b>RYB</b>	119, 172, 217
Decimal	7854537
CIELab	80.61, -32.69, -1.08
CIELCh	81, 32.710, 181.893
Yxy	57.7647, 0.2606, 0.3504
Android (android.graphics.Color)	4286044617 (0xFF77D9C9)
YUV	185.8740, 7.4571, -58.6485
Hunter-Lab	76.0031, -32.1081, 3.1759

# Details

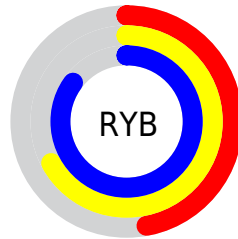
The Yxy color **57.7647, 0.2606, 0.3504** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.6974, 0.4130, 0.3098**, and the grayscale version is **49.0091, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9701, 0.2681, 0.3289**, and **28.9079, 0.2473, 0.3565** is the 20% darker color. If you saturate the color by 10%, you get **56.2377, 0.2526, 0.3560**, and if you desaturate by 10%, it is **59.6506, 0.2702, 0.3451**.

# Distribution



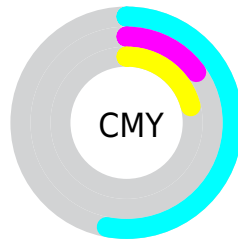
- Red (47%)
- Green (85%)
- Blue (79%)



- Red (47%)
- Yellow (67%)
- Blue (85%)



- Cyan (45%)
- Magenta (0%)
- Yellow (7%)
- Black (15%)




- Cyan (53%)
- Magenta (15%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.7647, 0.2606, 0.3504 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 57.7647, 0.2606, 0.3504 by changing the saturation by 10% instead.





 57.7647, 0.2606,  
0.3504

 57.7647, 0.2606,  
0.3504


416.3086, 0.2855,  
0.3402

 41.6195, 0.2547,  
0.3528


 101.5801, 0.2694,  
0.3468

 28.8035, 0.2473,  
0.3557


 130.0192, 0.2728,  
0.3455

 18.9322, 0.2378,  
0.3596


 163.3249, 0.2757,  
0.3443

 11.6213, 0.2251,  
0.3646

201.8818, 0.2782,  
0.3433

 6.4864, 0.2073,  
0.3716

246.0742, 0.2804,  
0.3424

 3.1430, 0.1808,  
0.3818

296.2866, 0.2823,

 1.2068, 0.1084,

0.3416

352.9032, 0.2840,  
0.3409

0.4113

0.0673, 0.0000,  
0.3114

0.0000, 0.0000,  
0.0000

57.7647, 0.2606,  
0.3504

57.7647, 0.2606,  
0.3504

56.2377, 0.2526,  
0.3560

59.6506, 0.2702,  
0.3451

55.0386, 0.2464,  
0.3618


61.9105, 0.2812,  
0.3400

54.1425, 0.2421,  
0.3676


64.5668, 0.2932,  
0.3353

53.5175, 0.2398,  
0.3735


67.6382, 0.3059,  
0.3311

 53.1251, 0.2393,  
0.3793


 71.1422, 0.3192,  
0.3272

 52.9861, 0.2395,  
0.3821

 75.0953, 0.3327,  
0.3237

 76.3701, 0.3344,  
0.3202

 76.5668, 0.3319,  
0.3167

 76.7676, 0.3294,  
0.3132

# Harmonies

## Analogous

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



57.7647, 0.2970, 0.3876



57.7647, 0.2606, 0.3504



57.7647, 0.2387, 0.3089

# Triad

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



57.7647, 0.2606, 0.3504



57.7647, 0.2823, 0.2629



57.7647, 0.3962, 0.3738

# Complementary

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



57.7647, 0.2606, 0.3504



29.6974, 0.4130, 0.3098

# 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.



57.7647, 0.3927, 0.3404



57.7647, 0.2606, 0.3504



57.7647, 0.3244, 0.2792

# Square

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



57.7647, 0.2606, 0.3504



57.7647, 0.2506, 0.2616



57.7647, 0.3657, 0.3067



57.7647, 0.3760, 0.3987



# Rectangle

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



57.7647, 0.2606, 0.3504



57.7647, 0.2343, 0.2862



57.7647, 0.3657, 0.3067



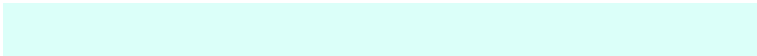
57.7647, 0.3979, 0.3632

# Sweetspot

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



57.7670, 0.2606, 0.3504



93.4762, 0.2944, 0.3349



56.1398, 0.3167, 0.4655



19.8158, 0.2917, 0.3359



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.



57.7670, 0.2606, 0.3504



81.1761, 0.2531, 0.3556



43.3541, 0.2445, 0.2838



14.7911, 0.3004, 0.3328



32.0863, 0.2392, 0.3813



2.0887, 0.2366, 0.3718



# Inverse Universe

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



29.6974, 0.4130, 0.3098



35.9408, 0.4467, 0.3066



38.4346, 0.4140, 0.3690



13.0861, 0.3266, 0.3252



9.0155, 0.6155, 0.3165



0.5950, 0.5738, 0.2935



# Previews

## White Background



This preview shows how the Yxy color 57.7647, 0.2606, 0.3504 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

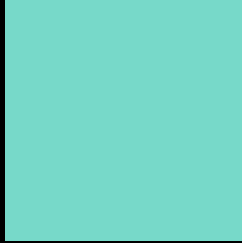
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.7647, 0.2606, 0.3504 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

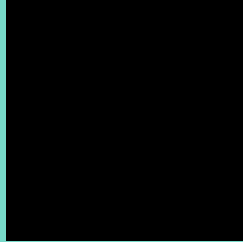
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

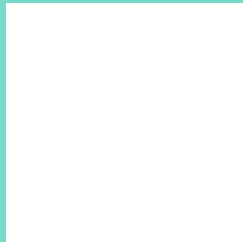
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 57.7647, 0.2606, 0.3504**

## Background



This preview shows how black text looks on a background with the Yxy color 57.7647, 0.2606, 0.3504.

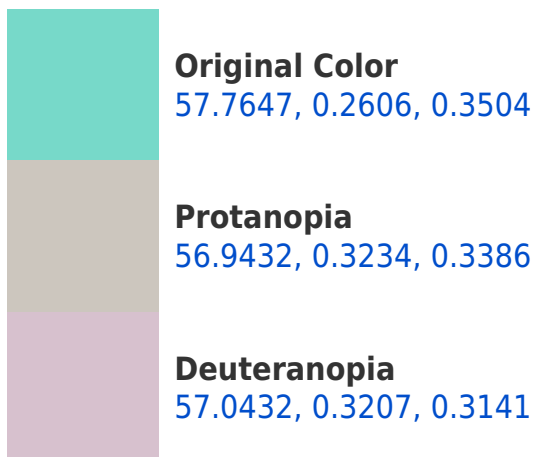


This preview shows how white text looks on a background with the Yxy color 57.7647, 0.2606, 0.3504.

# 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

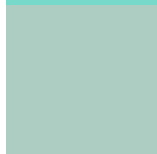
57.8137, 0.2488, 0.3072

# Trichromacy



## Original Color

57.7647, 0.2606, 0.3504



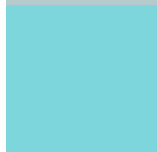
## Protanomaly

56.4419, 0.2965, 0.3429



## Deuteranomaly

56.3040, 0.2948, 0.3265



## Tritanomaly

57.4927, 0.2531, 0.3223

# Monochromacy



## Original Color

57.7647, 0.2606, 0.3504



## Achromatopsia

49.1021, 0.3127, 0.3290



## Achromatomaly

51.3755, 0.2903, 0.3368

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  57.7647, 0.2606, 0.3504 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(119, 217, 201)` looks like.

```
.text, #text, p{  
    color:rgb(119, 217, 201)  
}
```

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(119, 217, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 217, 201) }
```

## Border

The CSS property to change the border of an element to Yxy 57.7647, 0.2606, 0.3504 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(119, 217, 201) }
```

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

```
.border{ border-color:rgb(119, 217, 201) }
```

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

Here you see how a box with a 4 pixel rgb(119, 217, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 217, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 217, 201);  
box-shadow:4px 4px 4px 4px rgb(119, 217,  
201) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.7647, 0.2606, 0.3504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 217, 201) }
```

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

```
.background{ background-color: rgb(119,  
217, 201) }
```

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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