

# Converting Colors

Yxy(57.4616, 0.2486, 0.3062)

Have a look what the booklet for  
Yxy(57.4616, 0.2486, 0.3062)  
contains.

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# Color

**Yxy(57.3122, 0.2486, 0.3059)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7FD4E6
RGB	127, 212, 230
RGB Percent	50%, 83%, 90%
CMY	0.5020, 0.1686, 0.0981
CMYK	0.45, 0.08, 0.00, 0.10
HSL	190°, 67%, 70%
HSV	190°, 45%, 90%
XYZ	46.5767, 57.3122, 83.4671
YIQ	188.6370, -56.4380, -12.4220

# Conversions

## Conversions Part 2

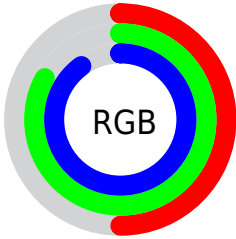
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	127, 174, 230
Decimal	8377574
CIE Lab	80.35, -21.13, -16.91
CIE LCh	80, 27.061, 218.679
Yxy	57.3122, 0.2486, 0.3059
Android (android.graphics.Color)	4286567654 (0xFF7FD4E6)
YUV	188.6370, 20.3920, -54.0556
Hunter-Lab	75.7048, -22.6629, -12.3758

# Details

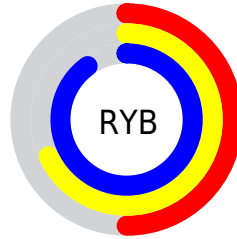
The Yxy color **57.3122, 0.2486, 0.3059** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **38.5993, 0.4225, 0.3501**, and the grayscale version is **50.5761, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9303, 0.2721, 0.3289**, and **28.4351, 0.2333, 0.2995** is the 20% darker color. If you saturate the color by 10%, you get **53.7621, 0.2373, 0.2998**, and if you desaturate by 10%, it is **61.3197, 0.2614, 0.3117**.

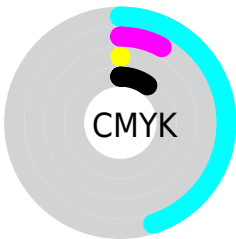
# Distribution



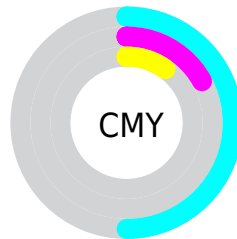
- Red (50%)
- Green (83%)
- Blue (90%)



- Red (50%)
- Yellow (68%)
- Blue (90%)



- Cyan (45%)
- Magenta (8%)
- Yellow (0%)
- Black (10%)




- Cyan (50%)
- Magenta (17%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.3122, 0.2486, 0.3059 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 57.3122, 0.2486, 0.3059 by changing the saturation by 10% instead.





 57.3122, 0.2486,  
0.3059


 57.3122, 0.2486,  
0.3059

414.6181, 0.2788,  
0.3177

 41.2559, 0.2416,  
0.3029


 100.9206, 0.2592,  
0.3102

 28.5191, 0.2330,  
0.2991


 129.2415, 0.2632,  
0.3118

 18.7174, 0.2220,  
0.2940


 162.4194, 0.2667,  
0.3132

 11.4662, 0.2076,  
0.2869

200.8388, 0.2698,  
0.3144

 6.3813, 0.1880,  
0.2765

244.8839, 0.2724,  
0.3154

 3.0783, 0.1601,  
0.2601

294.9393, 0.2748,

 1.1728, 0.1137,

0.3163

0.2324

351.3892, 0.2769,  
0.3170

0.0393, 0.0000,  
0.0305

0.0000, 0.0000,  
0.0000

57.3122, 0.2486,  
0.3059

57.3122, 0.2486,  
0.3059

53.7621, 0.2373,  
0.2998

61.3197, 0.2614,  
0.3117

50.6345, 0.2277,  
0.2936


65.8036, 0.2753,  
0.3172


47.9002, 0.2199,  
0.2873

70.7894, 0.2901,  
0.3223

45.5223, 0.2142,  
0.2809


76.2990, 0.3053,  
0.3269


 43.4559, 0.2103,  
0.2747


 82.3528, 0.3208,  
0.3312

 42.4651, 0.2087,  
0.2714

 87.0262, 0.3294,  
0.3351

 89.3669, 0.3289,  
0.3390

 91.7599, 0.3285,  
0.3429

 94.2057, 0.3281,  
0.3467

# Harmonies

## Analogous

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



57.3122, 0.2639, 0.3390



57.3122, 0.2486, 0.3059



57.3122, 0.2493, 0.2818

# Triad

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



57.3122, 0.2486, 0.3059



57.3122, 0.3309, 0.2917



57.3122, 0.3596, 0.3898

# Complementary

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



57.3122, 0.2486, 0.3059



38.5993, 0.4225, 0.3501

# 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.



57.3122, 0.3799, 0.3725



57.3122, 0.2486, 0.3059



57.3122, 0.3631, 0.3168

# Square

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



57.3122, 0.2486, 0.3059



57.3122, 0.2951, 0.2754



57.3122, 0.3814, 0.3458



57.3122, 0.3274, 0.3902



# Rectangle

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



57.3122, 0.2486, 0.3059



57.3122, 0.2586, 0.2734



57.3122, 0.3814, 0.3458



57.3122, 0.3681, 0.3856

# Sweetspot

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



57.3144, 0.2486, 0.3059



90.6073, 0.2926, 0.3231



63.1216, 0.2972, 0.4457



19.0769, 0.2893, 0.3220



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

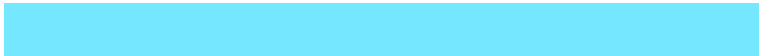


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



57.3144, 0.2486, 0.3059



68.1467, 0.2378, 0.3001



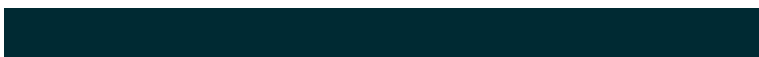
35.8279, 0.2365, 0.2364



15.8855, 0.2981, 0.3248



24.2030, 0.2090, 0.2724



1.9015, 0.2115, 0.2815



# Inverse Universe

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



36.7524, 0.3351, 0.2364



39.8193, 0.3412, 0.2190



57.6817, 0.3951, 0.4060



14.5697, 0.3164, 0.3098



11.6410, 0.3706, 0.1815

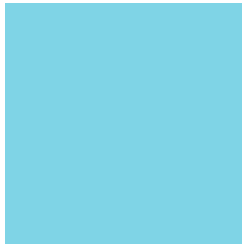


0.8716, 0.3620, 0.1768



# Previews

## White Background



This preview shows how the Yxy color 57.3122, 0.2486, 0.3059 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

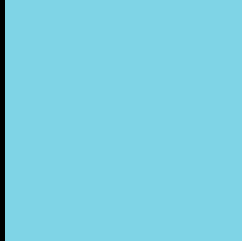
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.3122, 0.2486, 0.3059 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 57.3122, 0.2486, 0.3059**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.3122, 0.2486, 0.3059.

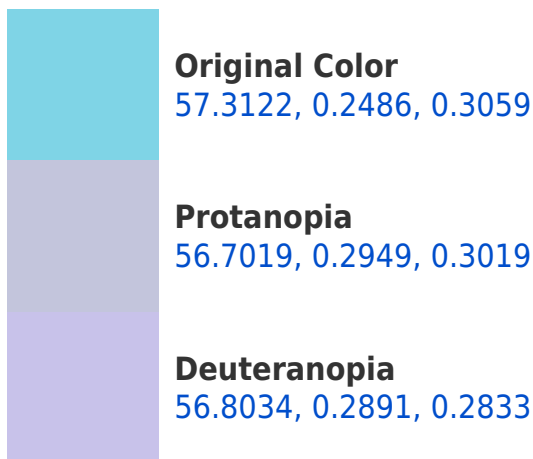


This preview shows how white text looks on a background with the Yxy color 57.3122, 0.2486, 0.3059.

# 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

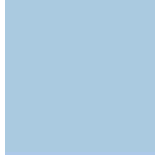
57.2561, 0.2491, 0.3071

# Trichromacy



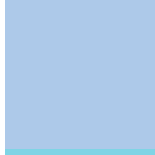
## Original Color

57.3122, 0.2486, 0.3059



## Protanomaly

56.1689, 0.2750, 0.3020



## Deuteranomaly

56.5407, 0.2715, 0.2906



## Tritanomaly

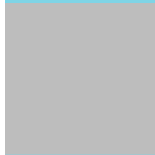
57.2561, 0.2491, 0.3071

# Monochromacy



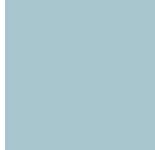
## Original Color

57.3122, 0.2486, 0.3059



## Achromatopsia

50.8881, 0.3127, 0.3290



## Achromatomaly

52.3991, 0.2845, 0.3199

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  57.3122, 0.2486, 0.3059 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(127, 212, 230)` looks like.

```
.text, #text, p{  
    color:rgb(127, 212, 230)  
}
```

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(127, 212, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 212, 230) }
```

## Border

The CSS property to change the border of an element to Yxy 57.3122, 0.2486, 0.3059 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(127, 212, 230) }
```

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

```
.border{ border-color:rgb(127, 212, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 212, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 212, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 212, 230);  
box-shadow:4px 4px 4px 4px rgb(127, 212,  
230) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.3122, 0.2486, 0.3059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 212, 230) }
```

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

```
.background{ background-color: rgb(127,  
212, 230) }
```

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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