

# Converting Colors

$Y_{xy}(58.7065, 0.2512, 0.3145)$

Have a look what the booklet for  
Yxy(58.7065, 0.2512, 0.3145)  
contains.

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# Color

**Yxy(58.6039, 0.2513, 0.3148)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7FD7E2
RGB	127, 215, 226
RGB Percent	50%, 84%, 89%
CMY	0.5017, 0.1569, 0.1138
CMYK	0.44, 0.05, 0.00, 0.11
HSL	187°, 63%, 69%
HSV	187°, 44%, 89%
XYZ	46.7826, 58.6039, 80.7758
YIQ	189.9420, -55.9790, -15.2350

# Conversions

## Conversions Part 2

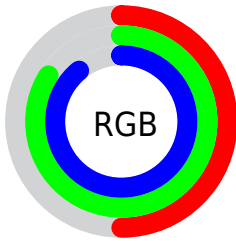
<b>Format</b>	<b>Color</b>
<b>RYB</b>	127, 174, 226
Decimal	8378338
CIELab	81.07, -23.64, -13.68
CIELCh	81, 27.317, 210.062
Yxy	58.6039, 0.2513, 0.3148
Android (android.graphics.Color)	4286568418 (0xFF7FD7E2)
YUV	189.9420, 17.7766, -55.2001
Hunter-Lab	76.5532, -24.8845, -8.9732

# Details

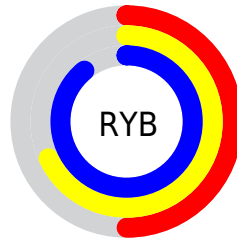
The Yxy color **58.6039, 0.2513, 0.3148** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.8826, 0.4223, 0.3422**, and the grayscale version is **51.3846, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9303, 0.2721, 0.3289**, and **29.3471, 0.2362, 0.3098** is the 20% darker color. If you saturate the color by 10%, you get **55.7937, 0.2406, 0.3110**, and if you desaturate by 10%, it is **61.8274, 0.2636, 0.3184**.

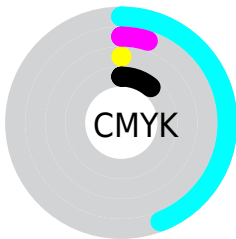
# Distribution



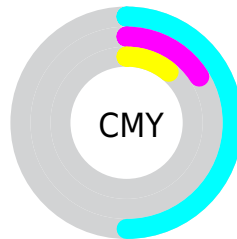
- Red (50%)
- Green (84%)
- Blue (89%)



- Red (50%)
- Yellow (68%)
- Blue (89%)



- Cyan (44%)
- Magenta (5%)
- Yellow (0%)
- Black (11%)




- Cyan (50%)
- Magenta (16%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.6039, 0.2513, 0.3148 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 58.6039, 0.2513, 0.3148 by changing the saturation by 10% instead.





 58.6039, 0.2513,  
0.3148


 58.6039, 0.2513,  
0.3148


419.4325, 0.2802,  
0.3223


 42.2943, 0.2446,  
0.3128


 102.8018, 0.2614,  
0.3176

 29.3318, 0.2363,  
0.3103


 131.4588, 0.2653,  
0.3186

 19.3320, 0.2258,  
0.3069


 165.0006, 0.2686,  
0.3195

 11.9104, 0.2120,  
0.3020

203.8113, 0.2716,  
0.3202

 6.6827, 0.1932,  
0.2947

248.2755, 0.2741,  
0.3209

 3.2645, 0.1662,  
0.2828

298.7775, 0.2764,

 1.2713, 0.1212,

0.3214

0.2620

355.7017, 0.2784,  
0.3219

0.1188, 0.0000,  
0.0982

0.0000, 0.0000,  
0.0000

58.6039, 0.2513,  
0.3148

58.6039, 0.2513,  
0.3148

55.7937, 0.2406,  
0.3110

61.8274, 0.2636,  
0.3184

53.3634, 0.2316,  
0.3072

65.4812, 0.2771,  
0.3218


51.2857, 0.2246,  
0.3033


69.5897, 0.2917,  
0.3250

49.5264, 0.2195,  
0.2994


74.1733, 0.3069,  
0.3280


 48.0437, 0.2162,  
0.2956

 79.2514, 0.3224,  
0.3306

 47.2189, 0.2148,  
0.2932

 83.3644, 0.3327,  
0.3331

 84.7699, 0.3324,  
0.3356

 86.1956, 0.3321,  
0.3380

 87.6414, 0.3318,  
0.3405

# Harmonies

## Analogous

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



58.6039, 0.2709, 0.3490



58.6039, 0.2513, 0.3148



58.6039, 0.2473, 0.2874

# Triad

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



58.6039, 0.2513, 0.3148



58.6039, 0.3205, 0.2859



58.6039, 0.3671, 0.3864

# Complementary

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



58.6039, 0.2513, 0.3148



35.8826, 0.4223, 0.3422

# 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.



58.6039, 0.3825, 0.3656



58.6039, 0.2513, 0.3148



58.6039, 0.3549, 0.3089

# Square

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



58.6039, 0.2513, 0.3148



58.6039, 0.2856, 0.2728



58.6039, 0.3782, 0.3374



58.6039, 0.3374, 0.3922

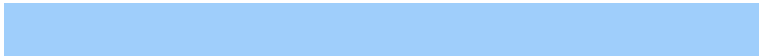


# Rectangle

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



58.6039, 0.2513, 0.3148



58.6039, 0.2537, 0.2761



58.6039, 0.3782, 0.3374



58.6039, 0.3742, 0.3807

# Sweetspot

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



58.6062, 0.2513, 0.3148



91.9222, 0.2927, 0.3252



60.6980, 0.3011, 0.4517



19.4047, 0.2894, 0.3245



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.



58.6062, 0.2513, 0.3148



73.5277, 0.2410, 0.3112



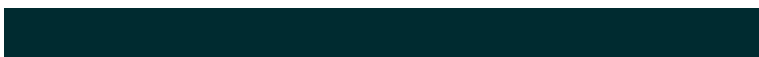
37.5046, 0.2400, 0.2484



15.2990, 0.2982, 0.3263



27.0552, 0.2150, 0.2938



1.9504, 0.2166, 0.2997



# Inverse Universe

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



36.2633, 0.3282, 0.2324



40.9487, 0.3323, 0.2137



52.9865, 0.3962, 0.3973



13.9081, 0.3155, 0.3084



11.6393, 0.3509, 0.1707

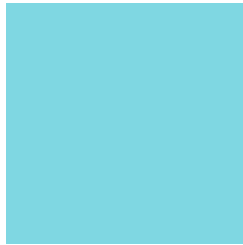


0.8144, 0.3457, 0.1678



# Previews

## White Background



This preview shows how the Yxy color 58.6039, 0.2513, 0.3148 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

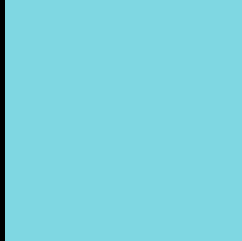
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.6039, 0.2513, 0.3148 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

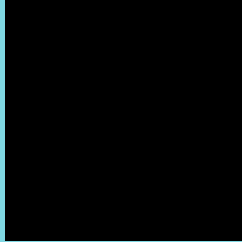
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.6039, 0.2513, 0.3148**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.6039, 0.2513, 0.3148.

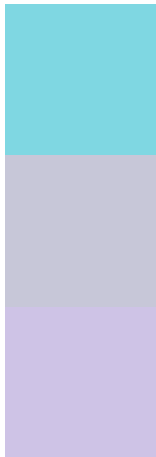


This preview shows how white text looks on a background with the Yxy color 58.6039, 0.2513, 0.3148.

# 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

58.6039, 0.2513, 0.3148

### Protanopia

57.9468, 0.3007, 0.3091

### Deuteranopia

57.8652, 0.2962, 0.2893



## Tritanopia

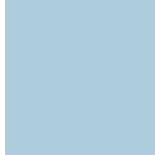
58.5298, 0.2495, 0.3073

# Trichromacy



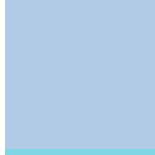
## Original Color

58.6039, 0.2513, 0.3148



## Protanomaly

57.7142, 0.2798, 0.3106



## Deuteranomaly

57.2453, 0.2767, 0.2966



## Tritanomaly

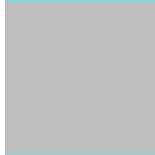
58.3395, 0.2500, 0.3098

# Monochromacy



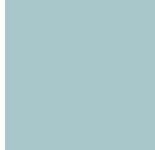
## Original Color

58.6039, 0.2513, 0.3148



## Achromatopsia

51.4918, 0.3127, 0.3290



## Achromatomaly

53.3741, 0.2860, 0.3238

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.6039, 0.2513, 0.3148 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, 215, 226)` looks like.

```
.text, #text, p{  
    color:rgb(127, 215, 226)  
}
```

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, 215, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 215, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 58.6039, 0.2513, 0.3148 is called "border". The border property can be set on classes, ids or directly on the HTML element.

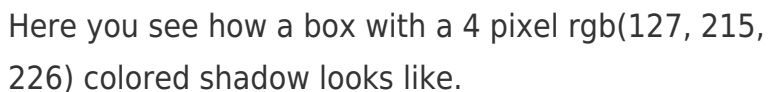
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(127, 215, 226) }
```

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

```
.border{ border-color:rgb(127, 215, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(127, 215, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 215, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 215, 226);  
box-shadow:4px 4px 4px 4px rgb(127, 215,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.6039, 0.2513, 0.3148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 215, 226) }
```

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

```
.background{ background-color: rgb(127,  
215, 226) }
```

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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