

# Converting Colors

$Y_{xy}(57.3749, 0.2548, 0.3037)$

Have a look what the booklet for  
Yxy(57.3749, 0.2548, 0.3037)  
contains.

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# Color

**Yxy(57.3818, 0.2548, 0.3037)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8CD2E6
RGB	140, 210, 230
RGB Percent	55%, 82%, 90%
CMY	0.4511, 0.1764, 0.0979
CMYK	0.39, 0.09, 0.00, 0.10
HSL	193°, 64%, 73%
HSV	193°, 39%, 90%
XYZ	48.1425, 57.3818, 83.4181
YIQ	191.3500, -48.1400, -8.6200

# Conversions

## Conversions Part 2

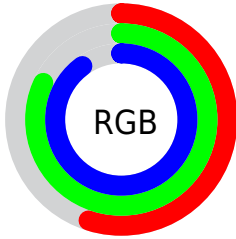
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	140, 179, 230
Decimal	9229030
CIE Lab	80.39, -16.92, -16.81
CIE LCh	80, 23.853, 224.803
Yxy	57.3818, 0.2548, 0.3037
Android (android.graphics.Color)	4287419110 (0xFF8CD2E6)
YUV	191.3500, 19.0545, -45.0339
Hunter-Lab	75.7508, -19.1203, -12.2656

# Details

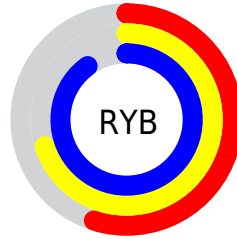
The Yxy color **57.3818, 0.2548, 0.3037** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.8548, 0.4014, 0.3525**, and the grayscale version is **52.2198, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6103, 0.2789, 0.3289**, and **28.3835, 0.2405, 0.2966** is the 20% darker color. If you saturate the color by 10%, you get **53.1065, 0.2421, 0.2961**, and if you desaturate by 10%, it is **62.1599, 0.2687, 0.3109**.

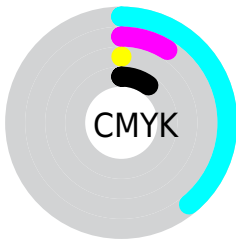
# Distribution



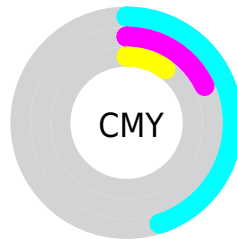
- Red (55%)
- Green (82%)
- Blue (90%)



- Red (55%)
- Yellow (70%)
- Blue (90%)



- Cyan (39%)
- Magenta (9%)
- Yellow (0%)
- Black (10%)




- Cyan (45%)
- Magenta (18%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.3818, 0.2548, 0.3037 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 57.3818, 0.2548, 0.3037 by changing the saturation by 10% instead.





 57.3818, 0.2548,  
0.3037

 57.3818, 0.2548,  
0.3037

414.8784, 0.2821,  
0.3164

 41.3119, 0.2485,  
0.3005

 101.0221, 0.2644,  
0.3083

 28.5628, 0.2406,  
0.2965


 129.3612, 0.2681,  
0.3100

 18.7504, 0.2305,  
0.2912


162.5588, 0.2712,  
0.3115

 11.4900, 0.2173,  
0.2839

200.9993, 0.2740,  
0.3128

 6.3975, 0.1993,  
0.2733

245.0672, 0.2764,  
0.3139

 3.0882, 0.1733,  
0.2568

295.1467, 0.2785,

 1.1780, 0.1321,

0.3148

0.2286

351.6223, 0.2804,  
0.3157

0.0436, 0.0000,  
0.0338

0.0000, 0.0000,  
0.0000

57.3818, 0.2548,  
0.3037

57.3818, 0.2548,  
0.3037

53.1065, 0.2421,  
0.2961

62.1599, 0.2687,  
0.3109

49.3002, 0.2309,  
0.2881

67.4586, 0.2834,  
0.3176

45.9352, 0.2214,  
0.2799

73.3032, 0.2986,  
0.3238

42.9775, 0.2138,  
0.2717

79.7150, 0.3140,  
0.3295

■ 40.3869, 0.2082,  
0.2635

■ 86.7141, 0.3294,  
0.3345

■ 38.1009, 0.2044,  
0.2553

■ 89.6975, 0.3289,  
0.3395

■ 37.9143, 0.2041,  
0.2546

■ 92.7616, 0.3283,  
0.3444

■ 95.9113, 0.3278,  
0.3493

■ 98.4945, 0.3274,  
0.3532

# Harmonies

## Analogous

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



57.3818, 0.2657, 0.3318



57.3818, 0.2548, 0.3037



57.3818, 0.2584, 0.2845

# Triad

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



57.3818, 0.2548, 0.3037



57.3818, 0.3352, 0.3000



57.3818, 0.3491, 0.3839

# Complementary

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



57.3818, 0.2548, 0.3037



43.8548, 0.4014, 0.3525

# 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.



57.3818, 0.3695, 0.3717



57.3818, 0.2548, 0.3037



57.3818, 0.3616, 0.3235

# Square

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



57.3818, 0.2548, 0.3037



57.3818, 0.3035, 0.2835



57.3818, 0.3743, 0.3494



57.3818, 0.3195, 0.3804



# Rectangle

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



57.3818, 0.2548, 0.3037



57.3818, 0.2686, 0.2785



57.3818, 0.3743, 0.3494



57.3818, 0.3573, 0.3814

# Sweetspot

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



57.3840, 0.2548, 0.3037



90.3884, 0.2941, 0.3221



64.6994, 0.2964, 0.4222



19.1364, 0.2921, 0.3213



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

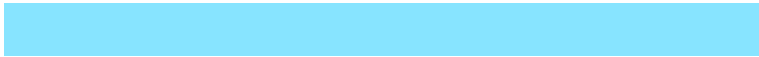


# Same Dimension

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



57.3840, 0.2548, 0.3037



68.0697, 0.2444, 0.2975



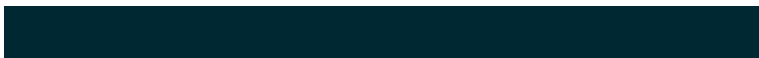
38.3716, 0.2457, 0.2440



15.7643, 0.2981, 0.3237



21.6496, 0.2044, 0.2559



1.7341, 0.2077, 0.2678



# Inverse Universe

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



40.2267, 0.3357, 0.2517



44.2514, 0.3420, 0.2366



62.1468, 0.3814, 0.4012



14.5575, 0.3172, 0.3109



11.3833, 0.3864, 0.1902

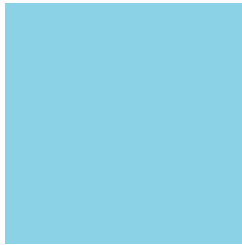


0.8547, 0.3749, 0.1839



# Previews

## White Background



This preview shows how the Yxy color 57.3818, 0.2548, 0.3037 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

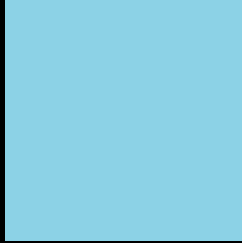
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.3818, 0.2548, 0.3037 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

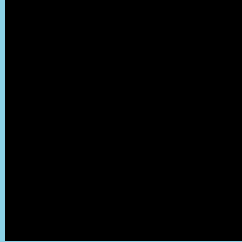
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 57.3818, 0.2548, 0.3037**

## Background



This preview shows how black text looks on a background with the Yxy color 57.3818, 0.2548, 0.3037.



This preview shows how white text looks on a background with the Yxy color 57.3818, 0.2548, 0.3037.

# 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

57.3818, 0.2548, 0.3037

### Protanopia

56.8085, 0.2935, 0.2996

### Deuteranopia

56.8843, 0.2905, 0.2844



## Tritanopia

57.1282, 0.2559, 0.3073

# Trichromacy



**Original Color**

57.3818, 0.2548, 0.3037

**Protanomaly**

56.7913, 0.2778, 0.3011

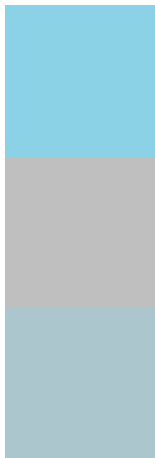
**Deuteranomaly**

56.7185, 0.2760, 0.2909

**Tritanomaly**

57.1836, 0.2553, 0.3061

# Monochromacy



**Original Color**

57.3818, 0.2548, 0.3037

**Achromatopsia**

52.0996, 0.3127, 0.3290

**Achromatomaly**

53.5666, 0.2882, 0.3201

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.3818, 0.2548, 0.3037 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(140, 210, 230)` looks like.

```
.text, #text, p{  
    color:rgb(140, 210, 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(140, 210, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 210, 230) }
```

## Border

The CSS property to change the border of an element to Yxy 57.3818, 0.2548, 0.3037 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(140, 210, 230) }
```

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

```
.border{ border-color:rgb(140, 210, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 210, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 210, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 210, 230);  
box-shadow:4px 4px 4px 4px rgb(140, 210,  
230) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.3818, 0.2548, 0.3037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 210, 230) }
```

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

```
.background{ background-color: rgb(140,  
210, 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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