

# Converting Colors

$Y_{xy}(50.2473, 0.2688, 0.3112)$

Have a look what the booklet for  
Yxy(50.2473, 0.2688, 0.3112)  
contains.

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# Color

**Yxy(50.3792, 0.2690, 0.3118)**

# Conversions

## Conversions Part 1

Format	Color
Hex	94C4D1
RGB	148, 196, 209
RGB Percent	58%, 77%, 82%
CMY	0.4194, 0.2314, 0.1805
CMYK	0.29, 0.06, 0.00, 0.18
HSL	193°, 40%, 70%
HSV	193°, 29%, 82%
XYZ	43.4638, 50.3792, 67.7324
YIQ	183.1300, -32.7810, -6.1330

# Conversions

## Conversions Part 2

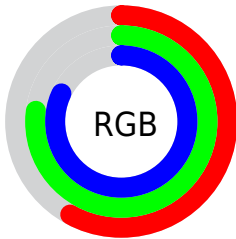
<b>Format</b>	<b>Color</b>
<b>RYB</b>	148, 175, 209
Decimal	9749713
CIELab	76.30, -12.64, -11.59
CIELCh	76, 17.148, 222.519
Yxy	50.3792, 0.2690, 0.3118
Android (android.graphics.Color)	4287939793 (0xFF94C4D1)
YUV	183.1300, 12.7539, -30.8090
Hunter-Lab	70.9783, -14.9070, -6.8938

# Details

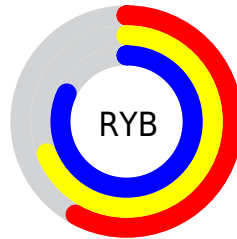
The Yxy color **50.3792, 0.2690, 0.3118** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.1850, 0.3723, 0.3455**, and the grayscale version is **47.3759, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.1671, 0.2820, 0.3268**, and **24.1455, 0.2569, 0.3054** is the 20% darker color. If you saturate the color by 10%, you get **46.6274, 0.2553, 0.3050**, and if you desaturate by 10%, it is **54.5464, 0.2836, 0.3182**.

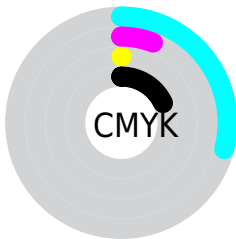
# Distribution



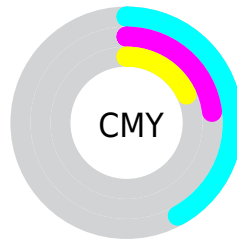
- Red (58%)
- Green (77%)
- Blue (82%)



- Red (58%)
- Yellow (69%)
- Blue (82%)



- Cyan (29%)
- Magenta (6%)
- Yellow (0%)
- Black (18%)




- Cyan (42%)
- Magenta (23%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.3792, 0.2690, 0.3118 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 50.3792, 0.2690, 0.3118 by changing the saturation by 10% instead.





 50.3792, 0.2690,  
0.3118


 50.3792, 0.2690,  
0.3118


388.1470, 0.2903,  
0.3206

 35.7148, 0.2639,  
0.3096


 90.7365, 0.2766,  
0.3150

 24.2140, 0.2574,  
0.3066


 117.1981, 0.2795,  
0.3162

 15.4924, 0.2490,  
0.3027


148.3610, 0.2819,  
0.3173

 9.1657, 0.2376,  
0.2972

184.6094, 0.2841,  
0.3181

 4.8494, 0.2214,  
0.2889

226.3278, 0.2859,  
0.3189

 2.1592, 0.1966,  
0.2752

273.9006, 0.2875,

 0.6976, 0.1286,

0.3195

0.2530

327.7122, 0.2890,  
0.3201

0.0000, 0.0000,  
0.0000

50.3792, 0.2690,  
0.3118

50.3792, 0.2690,  
0.3118

46.6274, 0.2553,  
0.3050

54.5464, 0.2836,  
0.3182

43.2654, 0.2427,  
0.2977

59.1408, 0.2987,  
0.3241

40.2740, 0.2316,  
0.2902

64.1815, 0.3140,  
0.3294

37.6298, 0.2222,  
0.2824

69.6841, 0.3293,  
0.3343

35.3059, 0.2148,  
0.2746

75.6638, 0.3444,  
0.3386

■ 33.2709, 0.2092,  
0.2668

■ 78.4708, 0.3455,  
0.3430

■ 31.4731, 0.2054,  
0.2591

■ 80.8748, 0.3447,  
0.3474

■ 31.3260, 0.2051,  
0.2584

■ 83.3416, 0.3439,  
0.3518

■ 85.8719, 0.3432,  
0.3561

# Harmonies

## Analogous

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



50.3792, 0.2783, 0.3331



50.3792, 0.2690, 0.3118



50.3792, 0.2709, 0.2964

# Triad

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



50.3792, 0.2690, 0.3118



50.3792, 0.3279, 0.3058



50.3792, 0.3417, 0.3698

# Complementary

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



50.3792, 0.2690, 0.3118



41.1850, 0.3723, 0.3455

# 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.



50.3792, 0.3561, 0.3605



50.3792, 0.2690, 0.3118



50.3792, 0.3481, 0.3236

# Square

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



50.3792, 0.2690, 0.3118



50.3792, 0.3042, 0.2937



50.3792, 0.3585, 0.3434



50.3792, 0.3199, 0.3677



# Rectangle

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



50.3792, 0.2690, 0.3118



50.3792, 0.2782, 0.2911



50.3792, 0.3585, 0.3434



50.3792, 0.3476, 0.3678

# Sweetspot

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



50.3812, 0.2690, 0.3118



92.8266, 0.2988, 0.3241



54.4309, 0.3009, 0.3959



19.6323, 0.2965, 0.3233



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

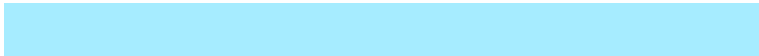


# Same Dimension

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



50.3812, 0.2690, 0.3118



75.2916, 0.2603, 0.3076



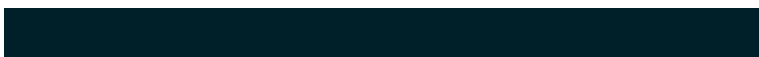
38.2920, 0.2646, 0.2707



12.9620, 0.2983, 0.3239



19.4696, 0.2054, 0.2595



1.1979, 0.2094, 0.2737



# Inverse Universe

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



38.7304, 0.3280, 0.2712



54.4978, 0.3322, 0.2587



52.8168, 0.3622, 0.3811



11.9642, 0.3170, 0.3109



10.0367, 0.3829, 0.1883

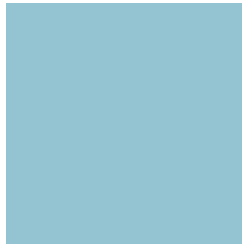


0.5722, 0.3693, 0.1808



# Previews

## White Background



This preview shows how the Yxy color 50.3792, 0.2690, 0.3118 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

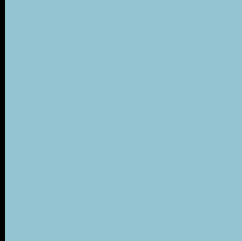
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.3792, 0.2690, 0.3118 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

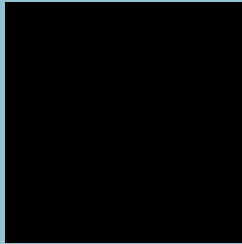
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

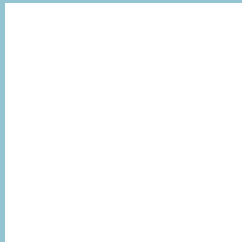
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 50.3792, 0.2690, 0.3118**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.3792, 0.2690, 0.3118.

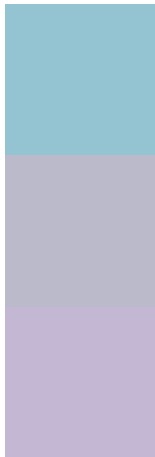


This preview shows how white text looks on a background with the Yxy color 50.3792, 0.2690, 0.3118.

# 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

50.3792, 0.2690, 0.3118

### Protanopia

49.8687, 0.2999, 0.3078

### Deuteranopia

50.2225, 0.3004, 0.2940



## **Tritanopia**

50.5726, 0.2684, 0.3092

# Trichromacy



## Original Color

50.3792, 0.2690, 0.3118

## Protanomaly

50.0053, 0.2877, 0.3098

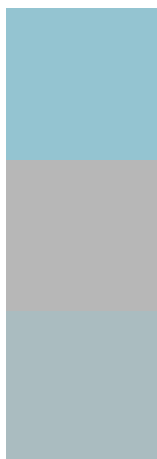
## Deuteranomaly

50.1346, 0.2880, 0.3002

## Tritanomaly

50.5226, 0.2690, 0.3105

# Monochromacy



## Original Color

50.3792, 0.2690, 0.3118

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

48.3183, 0.2953, 0.3237

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.3792, 0.2690, 0.3118 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(148, 196, 209)` looks like.

```
.text, #text, p{  
    color:rgb(148, 196, 209)  
}
```

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(148, 196, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 196, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 50.3792, 0.2690, 0.3118 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(148, 196, 209) }
```

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

```
.border{ border-color:rgb(148, 196, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 196, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 196, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 196, 209);  
box-shadow:4px 4px 4px 4px rgb(148, 196,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.3792, 0.2690, 0.3118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 196, 209) }
```

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

```
.background{ background-color: rgb(148,  
196, 209) }
```

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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