

# Converting Colors

$Y_{xy}(57.6909, 0.2314, 0.3125)$

Have a look what the booklet for  
Yxy(57.6909, 0.2314, 0.3125)  
contains.

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# Color

**Yxy(57.5746, 0.2312, 0.3116)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4FDAE7
RGB	79, 218, 231
RGB Percent	31%, 85%, 91%
CMY	0.6903, 0.1451, 0.0940
CMYK	0.66, 0.06, 0.00, 0.09
HSL	185°, 76%, 61%
HSV	185°, 66%, 91%
XYZ	42.7190, 57.5746, 84.4772
YIQ	177.9210, -87.0170, -25.4250

# Conversions

## Conversions Part 2

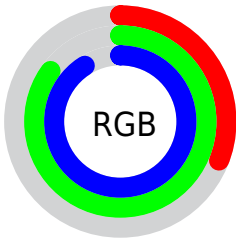
Format	Color
<a href="#">RYB</a>	<a href="#">79, 152, 231</a>
Decimal	<a href="#">5233383</a>
CIELab	<a href="#">80.50, -32.96, -17.39</a>
CIELCh	<a href="#">81, 37.265, 207.825</a>
Yxy	<a href="#">57.5746, 0.2312, 0.3116</a>
Android (android.graphics.Color)	<a href="#">4283423463 (0xFF4FDAE7)</a>
YUV	<a href="#">177.9210, 26.1679, -86.7537</a>
Hunter-Lab	<a href="#">75.8779, -32.2915, -12.8948</a>

# Details

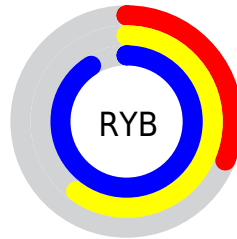
The Yxy color **57.5746, 0.2312, 0.3116** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **25.2070, 0.5187, 0.3423**, and the grayscale version is **44.3667, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7597, 0.2541, 0.3288**, and **29.2895, 0.2188, 0.3075** is the 20% darker color. If you saturate the color by 10%, you get **55.7332, 0.2249, 0.3086**, and if you desaturate by 10%, it is **59.7765, 0.2394, 0.3146**.

# Distribution



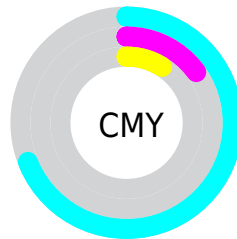
- Red (31%)
- Green (85%)
- Blue (91%)



- Red (31%)
- Yellow (60%)
- Blue (91%)



- Cyan (66%)
- Magenta (6%)
- Yellow (0%)
- Black (9%)




- Cyan (69%)
- Magenta (15%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.5746, 0.2312, 0.3116 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 57.5746, 0.2312, 0.3116 by changing the saturation by 10% instead.





 57.5746, 0.2312,  
0.3116


 57.5746, 0.2312,  
0.3116


415.5989, 0.2692,  
0.3212

 41.4667, 0.2225,  
0.3090


 101.3031, 0.2444,  
0.3152


 28.6840, 0.2118,  
0.3056


 129.6926, 0.2496,  
0.3166

 18.8419, 0.1983,  
0.3010


 162.9447, 0.2540,  
0.3177

 11.5561, 0.1809,  
0.2944

 201.4439, 0.2578,  
0.3186

 6.4422, 0.1577,  
0.2843

245.5745, 0.2612,  
0.3194

 3.1158, 0.1258,  
0.2678

295.7209, 0.2642,

 1.1925, 0.0612,

0.3201

352.2676, 0.2669,  
0.3207

0.2429

0.0555, 0.0000,  
0.0406

0.0000, 0.0000,  
0.0000

57.5746, 0.2312,  
0.3116

57.5746, 0.2312,  
0.3116

55.7332, 0.2249,  
0.3086

59.7765, 0.2394,  
0.3146

54.2085, 0.2205,  
0.3057

62.3646, 0.2495,  
0.3175


52.9562, 0.2179,  
0.3028


65.3694, 0.2613,  
0.3202

52.4815, 0.2171,  
0.3016


68.8169, 0.2744,  
0.3229

 72.7304, 0.2886,  
0.3254

 77.1321, 0.3037,  
0.3277

 82.0422, 0.3193,  
0.3299

 85.7768, 0.3290,  
0.3318

 86.9080, 0.3288,  
0.3338

# Harmonies

## Analogous

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



57.5746, 0.2582, 0.3599



57.5746, 0.2312, 0.3116



57.5746, 0.2247, 0.2737

# Triad

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



57.5746, 0.2312, 0.3116



57.5746, 0.3190, 0.2695



57.5746, 0.3888, 0.4050

# Complementary

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



57.5746, 0.2312, 0.3116



25.2070, 0.5187, 0.3423

# 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.



57.5746, 0.4090, 0.3742



57.5746, 0.2312, 0.3116



57.5746, 0.3674, 0.2989

# Square

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



57.5746, 0.2312, 0.3116



57.5746, 0.2723, 0.2533



57.5746, 0.4014, 0.3360



57.5746, 0.3487, 0.4171

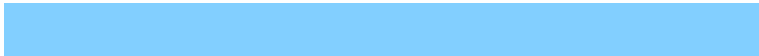


# Rectangle

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



57.5746, 0.2312, 0.3116



57.5746, 0.2320, 0.2584



57.5746, 0.4014, 0.3360



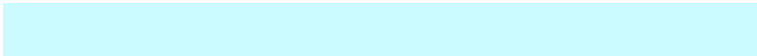
57.5746, 0.3983, 0.3962

# Sweetspot

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



57.5767, 0.2312, 0.3116



88.8236, 0.2824, 0.3244



59.5906, 0.2982, 0.5270



18.7183, 0.2784, 0.3237



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

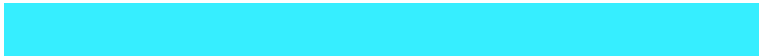


# Same Dimension

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



57.5767, 0.2312, 0.3116



68.9990, 0.2231, 0.3076



26.8728, 0.2049, 0.2011



16.1142, 0.2982, 0.3269



29.5073, 0.2172, 0.3021



2.2429, 0.2184, 0.3063



# Inverse Universe

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



27.6412, 0.3335, 0.1904



30.0154, 0.3380, 0.1751



45.4375, 0.4500, 0.4232



14.5928, 0.3151, 0.3078



12.1765, 0.3436, 0.1667

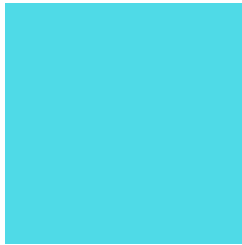


0.9061, 0.3399, 0.1646



# Previews

## White Background



This preview shows how the Yxy color 57.5746, 0.2312, 0.3116 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

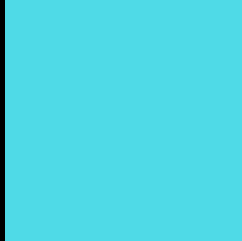
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.5746, 0.2312, 0.3116 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

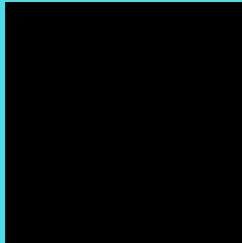
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 57.5746, 0.2312, 0.3116**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.5746, 0.2312, 0.3116.

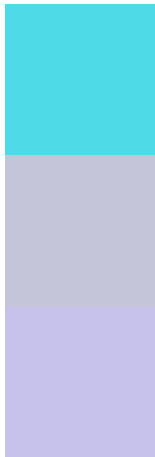


This preview shows how white text looks on a background with the Yxy color 57.5746, 0.2312, 0.3116.

# 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

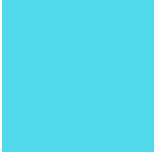
57.5746, 0.2312, 0.3116

### Protanopia

56.6780, 0.2977, 0.3054

### Deuteranopia

56.7818, 0.2870, 0.2811



## **Tritanopia**

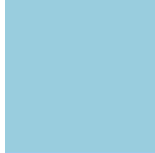
57.3732, 0.2298, 0.3052

# Trichromacy



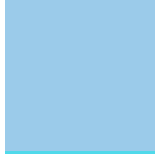
## Original Color

57.5746, 0.2312, 0.3116



## Protanomaly

55.7089, 0.2658, 0.3075



## Deuteranomaly

55.6209, 0.2599, 0.2907



## Tritanomaly

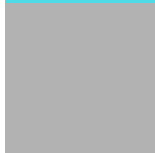
57.2717, 0.2300, 0.3065

# Monochromacy



## Original Color

57.5746, 0.2312, 0.3116



## Achromatopsia

44.5201, 0.3127, 0.3290



## Achromatomaly

47.9219, 0.2720, 0.3234

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.5746, 0.2312, 0.3116 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(79, 218, 231)` looks like.

```
.text, #text, p{  
    color:rgb(79, 218, 231)  
}
```

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(79, 218, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 218, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 57.5746, 0.2312, 0.3116 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(79, 218, 231) }
```

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

```
.border{ border-color:rgb(79, 218, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 218, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 218, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 218, 231);  
box-shadow:4px 4px 4px 4px rgb(79, 218,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.5746, 0.2312, 0.3116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 218, 231) }
```

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

```
.background{ background-color: rgb(79, 218,  
231) }
```

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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