

# Converting Colors

$Y_{xy}(58.0308, 0.2656, 0.3270)$

Have a look what the booklet for  
Yxy(58.0308, 0.2656, 0.3270)  
contains.

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# Color

**Yxy(57.7816, 0.2655, 0.3263)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8FD4D6
RGB	143, 212, 214
RGB Percent	56%, 83%, 84%
CMY	0.4390, 0.1686, 0.1608
CMYK	0.33, 0.01, 0.00, 0.16
HSL	182°, 46%, 70%
HSV	182°, 33%, 84%
XYZ	47.0151, 57.7816, 72.2846
YIQ	191.5970, -41.7660, -14.0060

# Conversions

## Conversions Part 2

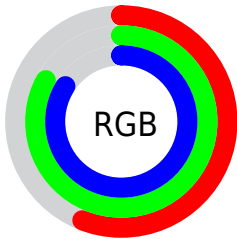
Format	Color
<a href="#">RYB</a>	<a href="#">143, 178, 214</a>
Decimal	<a href="#">9426134</a>
CIELab	<a href="#">80.62, -21.02, -7.89</a>
CIElCh	<a href="#">81, 22.455, 200.572</a>
Yxy	<a href="#">57.7816, 0.2655, 0.3263</a>
Android (android.graphics.Color)	<a href="#">4287616214</a> ( <a href="#">0xFF8FD4D6</a> )
YUV	<a href="#">191.5970, 11.0447, -42.6196</a>
Hunter-Lab	<a href="#">76.0142, -22.6220, -3.1710</a>

# Details

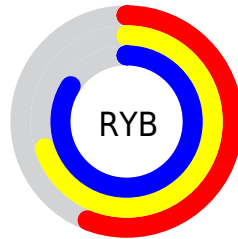
The Yxy color **57.7816, 0.2655, 0.3263** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.5475, 0.3887, 0.3317**, and the grayscale version is **52.4260, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8821, 0.2800, 0.3289**, and **28.7410, 0.2540, 0.3253** is the 20% darker color. If you saturate the color by 10%, you get **55.7515, 0.2539, 0.3254**, and if you desaturate by 10%, it is **60.1817, 0.2785, 0.3272**.

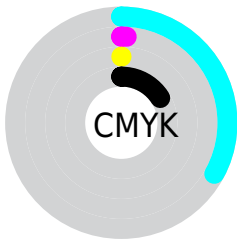
# Distribution



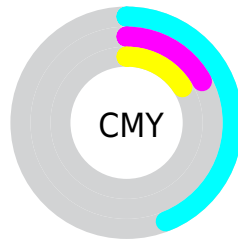
- Red (56%)
- Green (83%)
- Blue (84%)



- Red (56%)
- Yellow (70%)
- Blue (84%)



- Cyan (33%)
- Magenta (1%)
- Yellow (0%)
- Black (16%)




- Cyan (44%)
- Magenta (17%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.7816, 0.2655, 0.3263 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 57.7816, 0.2655, 0.3263 by changing the saturation by 10% instead.




 57.7816, 0.2655,  
0.3263

 57.7816, 0.2655,  
0.3263

416.3716, 0.2879,  
0.3280

 41.6331, 0.2602,  
0.3258


 101.6048, 0.2734,  
0.3270

 28.8141, 0.2537,  
0.3251


 130.0482, 0.2764,  
0.3272

 18.9402, 0.2452,  
0.3241


163.3587, 0.2790,  
0.3274

 11.6271, 0.2340,  
0.3226

201.9207, 0.2813,  
0.3276

 6.4903, 0.2184,  
0.3201

246.1186, 0.2833,  
0.3277

 3.1454, 0.1953,  
0.3155

296.3368, 0.2850,

 1.2081, 0.1537,

0.3278

0.3075

352.9597, 0.2866,  
0.3279

0.0683, 0.0000,  
0.0984

0.0000, 0.0000,  
0.0000

57.7816, 0.2655,  
0.3263

57.7816, 0.2655,  
0.3263

55.7515, 0.2539,  
0.3254

60.1817, 0.2785,  
0.3272

54.0639, 0.2440,  
0.3245

62.9640, 0.2927,  
0.3280

52.6980, 0.2360,  
0.3235

66.1487, 0.3078,  
0.3288

51.6282, 0.2299,  
0.3226

69.7525, 0.3235,  
0.3295

■ 50.8252, 0.2257,  
0.3216

■ 73.7910, 0.3395,  
0.3301

■ 50.2531, 0.2232,  
0.3207

■ 75.0234, 0.3431,  
0.3307

■ 49.9529, 0.2223,  
0.3201

■ 75.3315, 0.3430,  
0.3313

■ 75.6407, 0.3429,  
0.3319

■ 75.9510, 0.3428,  
0.3326

# Harmonies

## Analogous

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



57.7816, 0.2856, 0.3540



57.7816, 0.2655, 0.3263



57.7816, 0.2577, 0.3010

# Triad

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



57.7816, 0.2655, 0.3263



57.7816, 0.3098, 0.2884



57.7816, 0.3634, 0.3724

# Complementary

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



57.7816, 0.2655, 0.3263



36.5475, 0.3887, 0.3317

# 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.



57.7816, 0.3710, 0.3528



57.7816, 0.2655, 0.3263



57.7816, 0.3393, 0.3055

# Square

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



57.7816, 0.2655, 0.3263



57.7816, 0.2824, 0.2808



57.7816, 0.3621, 0.3286



57.7816, 0.3420, 0.3811



# Rectangle

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



57.7816, 0.2655, 0.3263



57.7816, 0.2602, 0.2891



57.7816, 0.3621, 0.3286



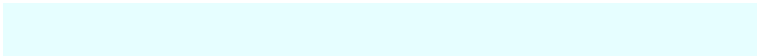
57.7816, 0.3677, 0.3667

# Sweetspot

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



57.7839, 0.2655, 0.3263



95.0239, 0.2973, 0.3282



55.9536, 0.3074, 0.4254



20.2001, 0.2951, 0.3281



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.



57.7839, 0.2655, 0.3263



83.6964, 0.2569, 0.3256



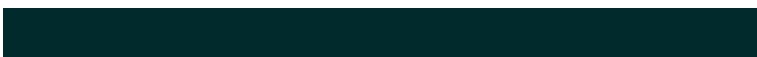
42.2798, 0.2596, 0.2795



14.0452, 0.2983, 0.3283



30.2241, 0.2223, 0.3202



1.8423, 0.2227, 0.3218



# Inverse Universe

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



38.7113, 0.3184, 0.2493



51.0792, 0.3197, 0.2325



48.8040, 0.3748, 0.3737



12.6264, 0.3142, 0.3067



11.3960, 0.3280, 0.1581

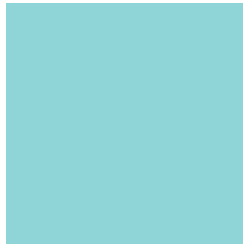


0.6893, 0.3267, 0.1573



# Previews

## White Background



This preview shows how the Yxy color 57.7816, 0.2655, 0.3263 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

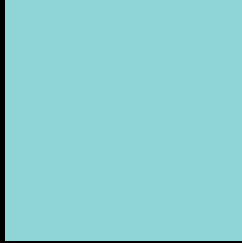
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.7816, 0.2655, 0.3263 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

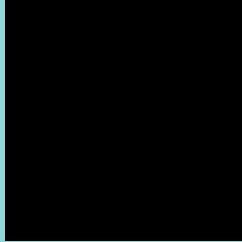
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

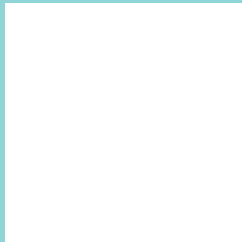
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 57.7816, 0.2655, 0.3263**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.7816, 0.2655, 0.3263.

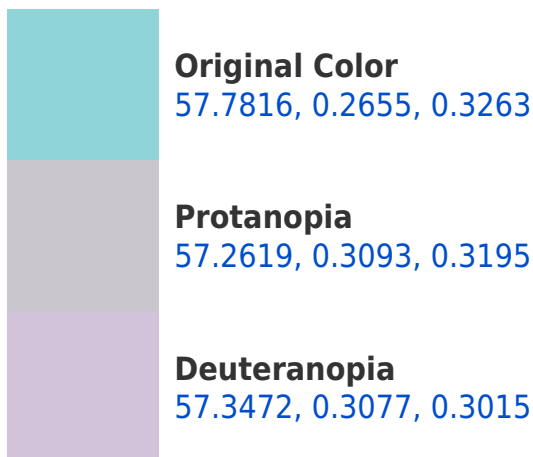


This preview shows how white text looks on a background with the Yxy color 57.7816, 0.2655, 0.3263.

# 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

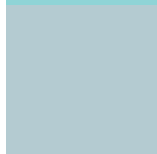
57.7502, 0.2597, 0.3076

# Trichromacy



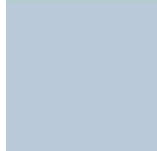
## Original Color

57.7816, 0.2655, 0.3263



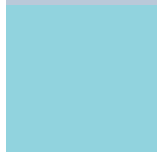
## Protanomaly

57.0186, 0.2915, 0.3216



## Deuteranomaly

57.2221, 0.2905, 0.3097



## Tritanomaly

57.8822, 0.2620, 0.3150

# Monochromacy



## Original Color

57.7816, 0.2655, 0.3263



## Achromatopsia

52.7115, 0.3127, 0.3290



## Achromatomaly

54.0156, 0.2930, 0.3277

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.7816, 0.2655, 0.3263 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(143, 212, 214)` looks like.

```
.text, #text, p{  
    color:rgb(143, 212, 214)  
}
```

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(143, 212, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 212, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 57.7816, 0.2655, 0.3263 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(143, 212, 214) }
```

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

```
.border{ border-color:rgb(143, 212, 214) }
```

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

Here you see how a box with a 4 pixel rgb(143, 212, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 212, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 212, 214);  
box-shadow:4px 4px 4px 4px rgb(143, 212,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.7816, 0.2655, 0.3263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 212, 214) }
```

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

```
.background{ background-color: rgb(143,  
212, 214) }
```

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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