

# Converting Colors

$Yxy(58.3417, 0.2590, 0.3114)$

Have a look what the booklet for  
Yxy(58.3417, 0.2590, 0.3114)  
contains.

<b>Yxy(58.4176, 0.2589, 0.3113)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(58.4176, 0.2589, 0.3113)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8FD4E2
RGB	143, 212, 226
RGB Percent	56%, 83%, 89%
CMY	0.4396, 0.1685, 0.1138
CMYK	0.37, 0.06, 0.00, 0.11
HSL	190°, 59%, 72%
HSV	190°, 37%, 89%
XYZ	48.5844, 58.4176, 80.6549
YIQ	192.9650, -45.6180, -10.2740

# Conversions

## Conversions Part 2

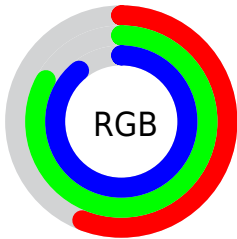
<b>Format</b>	<b>Color</b>
<b>RYB</b>	143, 181, 226
Decimal	9426146
CIELab	80.97, -18.19, -13.77
CIELCh	81, 22.819, 217.122
Yxy	58.4176, 0.2589, 0.3113
Android (android.graphics.Color)	4287616226 (0xFF8FD4E2)
YUV	192.9650, 16.2863, -43.8193
Hunter-Lab	76.4314, -20.2897, -9.0643

# Details

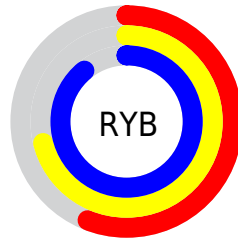
The Yxy color **58.4176, 0.2589, 0.3113** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.2162, 0.3959, 0.3457**, and the grayscale version is **53.2188, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8821, 0.2800, 0.3289**, and **29.1289, 0.2454, 0.3051** is the 20% darker color. If you saturate the color by 10%, you get **54.7268, 0.2465, 0.3057**, and if you desaturate by 10%, it is **62.5638, 0.2726, 0.3166**.

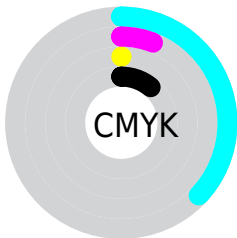
# Distribution



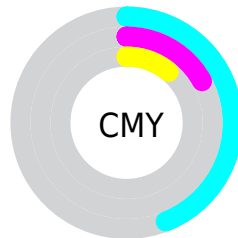
- Red (56%)
- Green (83%)
- Blue (89%)



- Red (56%)
- Yellow (71%)
- Blue (89%)



- Cyan (37%)
- Magenta (6%)
- Yellow (0%)
- Black (11%)




- Cyan (44%)
- Magenta (17%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.4176, 0.2589, 0.3113 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 58.4176, 0.2589, 0.3113 by changing the saturation by 10% instead.




 58.4176, 0.2589,  
0.3113


 58.4176, 0.2589,  
0.3113


418.7402, 0.2843,  
0.3203

 42.1445, 0.2530,  
0.3090


 102.5307, 0.2678,  
0.3146

 29.2144, 0.2457,  
0.3061


 131.1395, 0.2712,  
0.3158

 19.2431, 0.2363,  
0.3022


164.6290, 0.2742,  
0.3169

 11.8461, 0.2240,  
0.2969

203.3835, 0.2767,  
0.3178

 6.6389, 0.2071,  
0.2890

247.7875, 0.2790,  
0.3185

 3.2373, 0.1826,  
0.2763

298.2254, 0.2810,

 1.2569, 0.1436,

0.3192

0.2541

355.0815, 0.2827,  
0.3198

0.1074, 0.0000,  
0.0901

0.0000, 0.0000,  
0.0000

58.4176, 0.2589,  
0.3113

58.4176, 0.2589,  
0.3113

54.7268, 0.2465,  
0.3057

62.5638, 0.2726,  
0.3166

51.4597, 0.2355,  
0.2998

67.1812, 0.2871,  
0.3216

48.5911, 0.2264,  
0.2938

72.2934, 0.3023,  
0.3261

46.0898, 0.2191,  
0.2877

77.9201, 0.3177,  
0.3303

■ 43.9195, 0.2138,  
0.2817

■ 83.9091, 0.3326,  
0.3340

■ 42.0339, 0.2103,  
0.2757

■ 86.0584, 0.3321,  
0.3378

■ 41.4591, 0.2094,  
0.2738

■ 88.2542, 0.3317,  
0.3415

■ 90.4966, 0.3312,  
0.3452

■ 92.7861, 0.3308,  
0.3488

# Harmonies

## Analogous

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



58.4176, 0.2727, 0.3391



58.4176, 0.2589, 0.3113



58.4176, 0.2587, 0.2903

# Triad

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



58.4176, 0.2589, 0.3113



58.4176, 0.3265, 0.2965



58.4176, 0.3534, 0.3795

# Complementary

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



58.4176, 0.2589, 0.3113



42.2162, 0.3959, 0.3457

# 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.



58.4176, 0.3695, 0.3650



58.4176, 0.2589, 0.3113



58.4176, 0.3537, 0.3177

# Square

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



58.4176, 0.2589, 0.3113



58.4176, 0.2966, 0.2831



58.4176, 0.3697, 0.3423



58.4176, 0.3268, 0.3802



# Rectangle

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



58.4176, 0.2589, 0.3113



58.4176, 0.2663, 0.2825



58.4176, 0.3697, 0.3423



58.4176, 0.3603, 0.3760

# Sweetspot

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



58.4199, 0.2589, 0.3113



92.0918, 0.2957, 0.3242



62.6419, 0.2996, 0.4211



19.5150, 0.2936, 0.3236



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

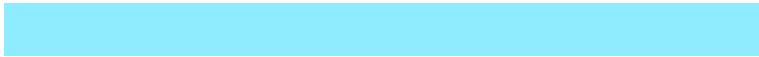


# Same Dimension

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



58.4199, 0.2589, 0.3113



73.1154, 0.2494, 0.3071



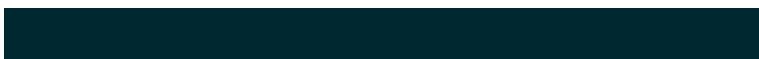
40.2961, 0.2510, 0.2559



15.1597, 0.2982, 0.3250



23.8076, 0.2097, 0.2747



1.7555, 0.2122, 0.2840



# Inverse Universe

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



40.5378, 0.3297, 0.2519



46.9094, 0.3341, 0.2368



58.6686, 0.3783, 0.3923



13.8940, 0.3163, 0.3097



11.3114, 0.3684, 0.1803

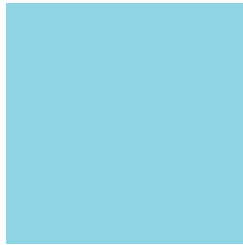


0.7947, 0.3598, 0.1756



# Previews

## White Background



This preview shows how the Yxy color 58.4176, 0.2589, 0.3113 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

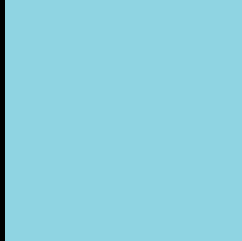
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.4176, 0.2589, 0.3113 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

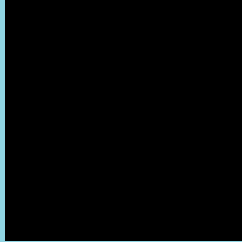
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.4176, 0.2589, 0.3113**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.4176, 0.2589, 0.3113.



This preview shows how white text looks on a background with the Yxy color 58.4176, 0.2589, 0.3113.

# 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

58.4176, 0.2589, 0.3113

### Protanopia

58.0509, 0.2993, 0.3068

### Deuteranopia

57.8652, 0.2962, 0.2893



## Tritanopia

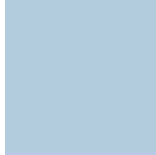
58.6734, 0.2579, 0.3076

# Trichromacy



## Original Color

58.4176, 0.2589, 0.3113



## Protanomaly

57.9899, 0.2831, 0.3084



## Deuteranomaly

57.4977, 0.2806, 0.2958



## Tritanomaly

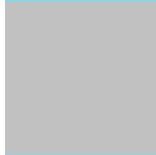
58.6177, 0.2584, 0.3088

# Monochromacy



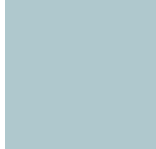
## Original Color

58.4176, 0.2589, 0.3113



## Achromatopsia

53.3276, 0.3127, 0.3290



## Achromatomaly

54.8303, 0.2904, 0.3227

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.4176, 0.2589, 0.3113 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, 226)` looks like.

```
.text, #text, p{  
    color:rgb(143, 212, 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(143, 212, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 212, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 58.4176, 0.2589, 0.3113 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, 226) }
```

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

```
.border{ border-color:rgb(143, 212, 226) }
```

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, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(143, 212, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(143, 212, 226); box-shadow:4px 4px 4px 4px rgb(143, 212, 226) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.4176, 0.2589, 0.3113 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, 226) }
```

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

```
.background{ background-color: rgb(143,  
212, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor