

# Converting Colors

$Yxy(59.8095, 0.2458, 0.3677)$

Have a look what the booklet for  
Yxy(59.8095, 0.2458, 0.3677)  
contains.

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# Color

**Yxy(59.8095, 0.2458, 0.3677)**

# Conversions

## Conversions Part 1

Format	Color
Hex	47E2C6
RGB	71, 226, 198
RGB Percent	28%, 89%, 78%
CMY	0.7221, 0.1137, 0.2235
CMYK	0.69, 0.00, 0.12, 0.11
HSL	169°, 73%, 58%
HSV	169°, 69%, 89%
XYZ	39.9814, 59.8095, 62.8675
YIQ	176.4630, -83.3920, -41.5680

# Conversions

## Conversions Part 2

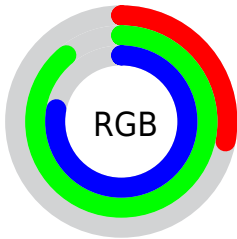
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">71, 156, 226</a>
Decimal	<a href="#">4711110</a>
CIELab	<a href="#">81.73, -46.63, 1.97</a>
CIELCh	<a href="#">82, 46.675, 177.584</a>
Yxy	<a href="#">59.8095, 0.2458, 0.3677</a>
Android (android.graphics.Color)	<a href="#">4282901190</a> ( <a href="#">0xFF47E2C6</a> )
YUV	<a href="#">176.4630, 10.6177, -92.4911</a>
Hunter-Lab	<a href="#">77.3366, -43.0582, 5.9384</a>

# Details

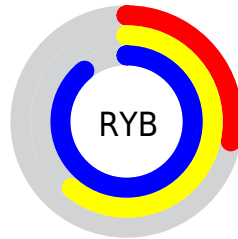
The Yxy color **59.8095, 0.2458, 0.3677** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **21.5600, 0.5018, 0.3017**, and the grayscale version is **43.6300, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1433, 0.2512, 0.3288**, and **30.7631, 0.2382, 0.3776** is the 20% darker color. If you saturate the color by 10%, you get **58.9262, 0.2424, 0.3743**, and if you desaturate by 10%, it is **61.0199, 0.2512, 0.3612**.

# Distribution



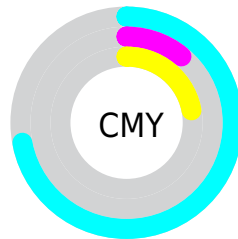
- Red (28%)
- Green (89%)
- Blue (78%)



- Red (28%)
- Yellow (61%)
- Blue (89%)



- Cyan (69%)
- Magenta (0%)
- Yellow (12%)
- Black (11%)




- Cyan (72%)
- Magenta (11%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.8095, 0.2458, 0.3677 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 59.8095, 0.2458, 0.3677 by changing the saturation by 10% instead.





 59.8095, 0.2458,  
0.3677


 59.8095, 0.2458,  
0.3677


423.8952, 0.2777,  
0.3491

 43.2651, 0.2383,  
0.3721


 104.5533, 0.2570,  
0.3611

 30.0932, 0.2290,  
0.3777


 133.5214, 0.2614,  
0.3586

 19.9093, 0.2170,  
0.3848


 167.3997, 0.2650,  
0.3564

 12.3291, 0.2011,  
0.3944

 206.5723, 0.2683,  
0.3546

 6.9683, 0.1793,  
0.4078

251.4238, 0.2711,  
0.3529

 3.4423, 0.1475,  
0.4277

302.3385, 0.2735,

 1.3667, 0.0347,

0.3515

0.4925

359.7009, 0.2757,  
0.3502

■ 0.1920, 0.0000,  
0.7287

■ 0.0000, 0.0000,  
0.0000

■ 59.8095, 0.2458,  
0.3677

■ 59.8095, 0.2458,  
0.3677

■ 58.9262, 0.2424,  
0.3743

■ 61.0199, 0.2512,  
0.3612

■ 58.3257, 0.2409,  
0.3808

■ 62.5821, 0.2585,  
0.3549

■ 57.9545, 0.2411,  
0.3873


■ 64.5262, 0.2674,  
0.3489

■ 57.9112, 0.2412,  
0.3882


■ 66.8774, 0.2777,  
0.3431

 69.6584, 0.2892,  
0.3378

 72.8904, 0.3016,  
0.3329

 76.5933, 0.3145,  
0.3284

 80.7856, 0.3277,  
0.3244

 81.6416, 0.3273,  
0.3204

# Harmonies

## Analogous

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



59.8095, 0.2974, 0.4201



59.8095, 0.2458, 0.3677



59.8095, 0.2138, 0.3067

# Triad

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



59.8095, 0.2458, 0.3677



59.8095, 0.2624, 0.2376



59.8095, 0.4314, 0.3817

# Complementary

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



59.8095, 0.2458, 0.3677



21.5600, 0.5018, 0.3017

# 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.



59.8095, 0.4224, 0.3355



59.8095, 0.2458, 0.3677



59.8095, 0.3193, 0.2569

# Square

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



59.8095, 0.2458, 0.3677



59.8095, 0.2230, 0.2379



59.8095, 0.3797, 0.2916



59.8095, 0.4057, 0.4209



# Rectangle

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



59.8095, 0.2458, 0.3677



59.8095, 0.2060, 0.2736



59.8095, 0.3797, 0.2916



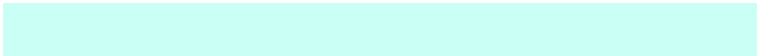
59.8095, 0.4325, 0.3666

# Sweetspot

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



59.8118, 0.2458, 0.3677



90.6129, 0.2863, 0.3391



57.5232, 0.3152, 0.5411



19.1736, 0.2830, 0.3406



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.



59.8118, 0.2458, 0.3677



77.1216, 0.2416, 0.3768



38.2257, 0.2165, 0.2585



15.5277, 0.3006, 0.3333



33.0505, 0.2409, 0.3871



2.3021, 0.2381, 0.3771



# Inverse Universe

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



21.5600, 0.5018, 0.3017



23.8407, 0.5598, 0.3047



30.0576, 0.4967, 0.3807



13.7407, 0.3264, 0.3248



9.3273, 0.6117, 0.3144

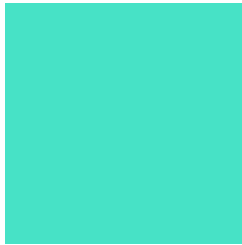


0.6585, 0.5707, 0.2918



# Previews

## White Background



This preview shows how the Yxy color 59.8095, 0.2458, 0.3677 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

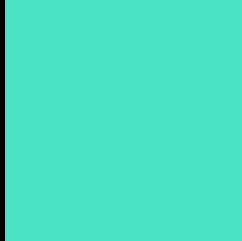
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.8095, 0.2458, 0.3677 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

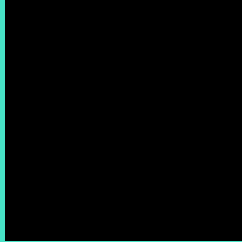
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

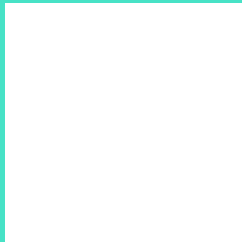
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 59.8095, 0.2458, 0.3677**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.8095, 0.2458, 0.3677.



This preview shows how white text looks on a background with the Yxy color 59.8095, 0.2458, 0.3677.

# 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

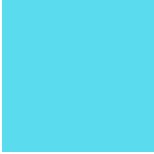
59.8095, 0.2458, 0.3677

### Protanopia

58.7893, 0.3316, 0.3492

### Deuteranopia

58.4981, 0.3245, 0.3177



## **Tritanopia**

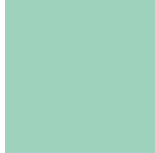
59.5331, 0.2323, 0.3057

# Trichromacy



## Original Color

59.8095, 0.2458, 0.3677



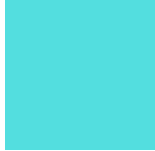
## Protanomaly

57.1382, 0.2901, 0.3562



## Deuteranomaly

56.4062, 0.2857, 0.3340



## Tritanomaly

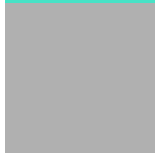
59.4093, 0.2370, 0.3275

# Monochromacy



## Original Color

59.8095, 0.2458, 0.3677



## Achromatopsia

43.4154, 0.3127, 0.3290



## Achromatomaly

47.4475, 0.2777, 0.3429

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.8095, 0.2458, 0.3677 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(71, 226, 198)` looks like.

```
.text, #text, p{  
    color:rgb(71, 226, 198)  
}
```

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(71, 226, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 226, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 59.8095, 0.2458, 0.3677 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(71, 226, 198) }
```

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

```
.border{ border-color:rgb(71, 226, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 226, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 226, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 226, 198);  
box-shadow:4px 4px 4px 4px rgb(71, 226,  
198) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.8095, 0.2458, 0.3677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 226, 198) }
```

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

```
.background{ background-color: rgb(71, 226,  
198) }
```

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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