

# Converting Colors

$Yxy(44.9259, 0.2913, 0.4076)$

Have a look what the booklet for  
Yxy(44.9259, 0.2913, 0.4076)  
contains.

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# Color

**Yxy(44.9658, 0.2910, 0.4070)**

# Conversions

## Conversions Part 1

Format	Color
Hex	77C390
RGB	119, 195, 144
RGB Percent	47%, 76%, 56%
CMY	0.5336, 0.2352, 0.4353
CMYK	0.39, 0.00, 0.26, 0.24
HSL	140°, 39%, 62%
HSV	140°, 39%, 76%
XYZ	32.1500, 44.9658, 33.3653
YIQ	166.4620, -28.9250, -31.9730

# Conversions

## Conversions Part 2

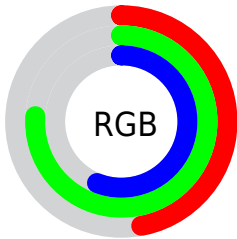
<b>Format</b>	<b>Color</b>
<b>RYB</b>	119, 176, 195
Decimal	7848848
CIELab	72.87, -34.68, 18.39
CIELCh	73, 39.252, 152.068
Yxy	44.9658, 0.2910, 0.4070
Android (android.graphics.Color)	4286038928 (0xFF77C390)
YUV	166.4620, -11.0738, -41.6242
Hunter-Lab	67.0565, -31.7678, 17.4387

# Details

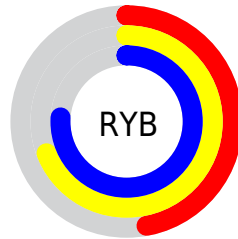
The Yxy color **44.9658, 0.2910, 0.4070** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **27.6846, 0.3446, 0.2625**, and the grayscale version is **38.4279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6967, 0.2957, 0.3915**, and **20.9983, 0.2839, 0.4336** is the 20% darker color. If you saturate the color by 10%, you get **43.3503, 0.2868, 0.4316**, and if you desaturate by 10%, it is **46.9144, 0.2960, 0.3840**.

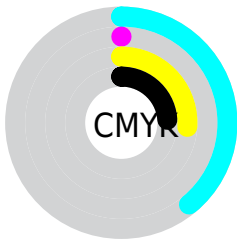
# Distribution



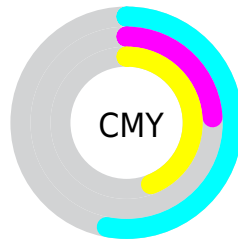
- Red (47%)
- Green (76%)
- Blue (56%)



- Red (47%)
- Yellow (69%)
- Blue (76%)



- Cyan (39%)
- Magenta (0%)
- Yellow (26%)
- Black (24%)



- Cyan (53%)
- Magenta (24%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9658, 0.2910, 0.4070 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 44.9658, 0.2910, 0.4070 by changing the saturation by 10% instead.





 44.9658, 0.2910,  
0.4070

 44.9658, 0.2910,  
0.4070


366.6350, 0.3029,  
0.3659


 31.4305, 0.2877,  
0.4180


 82.6691, 0.2956,  
0.3915

 20.9269, 0.2832,  
0.4325


 107.6059, 0.2972,  
0.3859

 13.0706, 0.2768,  
0.4526


 137.1119, 0.2986,  
0.3812

 7.4772, 0.2671,  
0.4821

171.5716, 0.2997,  
0.3772

 3.7623, 0.2508,  
0.5291

211.3694, 0.3007,  
0.3737

 1.5415, 0.2193,  
0.6659

256.8896, 0.3015,

 0.3177, 0.0000,

0.3708

1.0000

308.5167, 0.3022,  
0.3681

■ 0.0000, 0.0000,  
0.0000

■ 44.9658, 0.2910,  
0.4070

■ 44.9658, 0.2910,  
0.4070

■ 43.3503, 0.2868,  
0.4316

■ 46.9144, 0.2960,  
0.3840

■ 42.0433, 0.2836,  
0.4572

■ 49.2080, 0.3016,  
0.3631

■ 41.0257, 0.2820,  
0.4831


■ 51.8646, 0.3074,  
0.3442


■ 40.2736, 0.2819,  
0.5081


■ 54.8994, 0.3133,  
0.3274

■ 39.7593, 0.2836,  
0.5311


■ 58.3267, 0.3191,  
0.3127


 39.4366, 0.2866,  
0.5511

 62.1601, 0.3247,  
0.2997

 39.4092, 0.2869,  
0.5530

 66.3267, 0.3297,  
0.2884

 67.1132, 0.3200,  
0.2761

 67.5166, 0.3155,  
0.2703

# Harmonies

## Analogous

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



44.9658, 0.3455, 0.4299



44.9658, 0.2910, 0.4070



44.9658, 0.2449, 0.3563

# Triad

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



44.9658, 0.2910, 0.4070



44.9658, 0.2334, 0.2428



44.9658, 0.4175, 0.3422

# Complementary

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



44.9658, 0.2910, 0.4070



27.6846, 0.3446, 0.2625

# 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.



44.9658, 0.3821, 0.3001



44.9658, 0.2910, 0.4070



44.9658, 0.2733, 0.2453

# Square

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



44.9658, 0.2910, 0.4070



44.9658, 0.2142, 0.2612



44.9658, 0.3276, 0.2658



44.9658, 0.4211, 0.3849



# Rectangle

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



44.9658, 0.2910, 0.4070



44.9658, 0.2245, 0.3186



44.9658, 0.3276, 0.2658



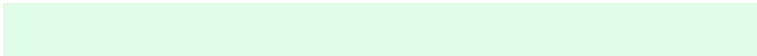
44.9658, 0.4089, 0.3277

# Sweetspot

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



44.9677, 0.2910, 0.4070



91.2917, 0.3056, 0.3500



49.0165, 0.3493, 0.4321



19.8508, 0.3048, 0.3524



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.



44.9677, 0.2910, 0.4070



77.9675, 0.2872, 0.4284



46.2933, 0.2675, 0.3492



11.3123, 0.3072, 0.3448



25.6237, 0.2862, 0.5505



1.1200, 0.2731, 0.5031



# Inverse Universe

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



27.6846, 0.3446, 0.2625



42.5977, 0.3545, 0.2481



26.4740, 0.3907, 0.3104



10.1893, 0.3187, 0.3137



8.6182, 0.4244, 0.2112



0.3847, 0.3959, 0.1955



# Previews

## White Background



This preview shows how the Yxy color 44.9658, 0.2910, 0.4070 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 44.9658, 0.2910, 0.4070 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 44.9658, 0.2910, 0.4070**

## Background



This preview shows how black text looks on a background with the Yxy color 44.9658, 0.2910, 0.4070.



This preview shows how white text looks on a background with the Yxy color 44.9658, 0.2910, 0.4070.

# 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

44.9658, 0.2910, 0.4070

### Protanopia

44.5655, 0.3590, 0.3846

### Deuteranopia

44.2749, 0.3641, 0.3569



## Tritanopia

44.7104, 0.2614, 0.3080

# Trichromacy



## Original Color

44.9658, 0.2910, 0.4070



## Protanomaly

44.0376, 0.3310, 0.3928



## Deuteranomaly

43.7478, 0.3343, 0.3746



## Tritanomaly

44.6751, 0.2718, 0.3419

# Monochromacy



## Original Color

44.9658, 0.2910, 0.4070



## Achromatopsia

38.1326, 0.3127, 0.3290



## Achromatomaly

40.3025, 0.3037, 0.3569

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.9658, 0.2910, 0.4070 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(119, 195, 144)` looks like.

```
.text, #text, p{  
    color:rgb(119, 195, 144)  
}
```

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(119, 195, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 195, 144) }
```

## Border

The CSS property to change the border of an element to Yxy 44.9658, 0.2910, 0.4070 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(119, 195, 144) }
```

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

```
.border{ border-color:rgb(119, 195, 144) }
```

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

Here you see how a box with a 4 pixel rgb(119, 195, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 195, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 195, 144);  
box-shadow:4px 4px 4px 4px rgb(119, 195,  
144) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.9658, 0.2910, 0.4070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 195, 144) }
```

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

```
.background{ background-color: rgb(119,  
195, 144) }
```

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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