

# Converting Colors

Yxy(58.6318, 0.2862, 0.4097)

Have a look what the booklet for  
Yxy(58.6318, 0.2862, 0.4097)  
contains.

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# Color

**Yxy(58.7572, 0.2864, 0.4106)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7EDDA2
RGB	126, 221, 162
RGB Percent	49%, 87%, 64%
CMY	0.5058, 0.1333, 0.3647
CMYK	0.43, 0.00, 0.27, 0.13
HSL	143°, 58%, 68%
HSV	143°, 43%, 87%
XYZ	40.9841, 58.7572, 43.3596
YIQ	185.8690, -37.6810, -38.4890

# Conversions

## Conversions Part 2

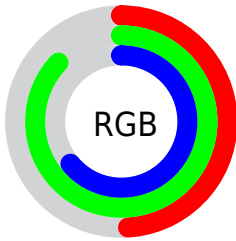
<b>Format</b>	<b>Color</b>
<b>RYB</b>	126, 195, 221
Decimal	8314274
CIELab	81.16, -41.04, 20.37
CIElCh	81, 45.820, 153.603
Yxy	58.7572, 0.2864, 0.4106
Android (android.graphics.Color)	4286504354 (0xFF7EDDA2)
YUV	185.8690, -11.7674, -52.5051
Hunter-Lab	76.6532, -38.7048, 20.1194

# Details

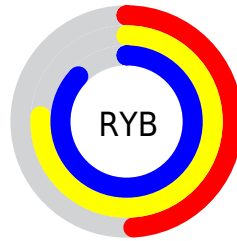
The Yxy color **58.7572, 0.2864, 0.4106** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **33.8045, 0.3546, 0.2603**, and the grayscale version is **49.1124, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4748, 0.2902, 0.3714**, and **29.3381, 0.2782, 0.4343** is the 20% darker color. If you saturate the color by 10%, you get **56.7987, 0.2821, 0.4340**, and if you desaturate by 10%, it is **61.1449, 0.2917, 0.3886**.

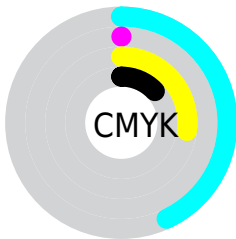
# Distribution



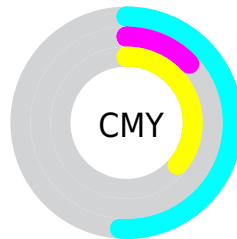
- Red (49%)
- Green (87%)
- Blue (64%)



- Red (49%)
- Yellow (76%)
- Blue (87%)



- Cyan (43%)
- Magenta (0%)
- Yellow (27%)
- Black (13%)




- Cyan (51%)
- Magenta (13%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.7572, 0.2864, 0.4106 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 58.7572, 0.2864, 0.4106 by changing the saturation by 10% instead.




 58.7572, 0.2864,  
0.4106


 58.7572, 0.2864,  
0.4106


420.0015, 0.3001,  
0.3693


 42.4177, 0.2828,  
0.4210


 103.0247, 0.2915,  
0.3955

 29.4285, 0.2782,  
0.4345


 131.7215, 0.2934,  
0.3898

 19.4052, 0.2718,  
0.4525


 165.3061, 0.2949,  
0.3851

 11.9634, 0.2628,  
0.4776

204.1631, 0.2963,  
0.3810

 6.7188, 0.2489,  
0.5151

248.6767, 0.2974,  
0.3775

 3.2869, 0.2252,  
0.5759

299.2314, 0.2984,

 1.2833, 0.1183,

0.3744

0.8817

356.2115, 0.2993,  
0.3717

■ 0.1282, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.7572, 0.2864,  
0.4106

■ 58.7572, 0.2864,  
0.4106

■ 56.7987, 0.2821,  
0.4340

■ 61.1449, 0.2917,  
0.3886

■ 55.2358, 0.2793,  
0.4583


■ 63.9787, 0.2977,  
0.3683

■ 54.0414, 0.2781,  
0.4825


■ 67.2833, 0.3041,  
0.3499

■ 53.1817, 0.2787,  
0.5059

■ 71.0793, 0.3107,  
0.3335

 52.6161, 0.2811,  
0.5273

 75.3862, 0.3174,  
0.3190

 52.3491, 0.2836,  
0.5409

 79.5283, 0.3213,  
0.3061

 80.1938, 0.3143,  
0.2960

# Harmonies

## Analogous

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



58.7572, 0.3442, 0.4368



58.7572, 0.2864, 0.4106



58.7572, 0.2384, 0.3549

# Triad

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



58.7572, 0.2864, 0.4106



58.7572, 0.2301, 0.2372



58.7572, 0.4257, 0.3448

# Complementary

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



58.7572, 0.2864, 0.4106



33.8045, 0.3546, 0.2603

# 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.



58.7572, 0.3894, 0.3002



58.7572, 0.2864, 0.4106



58.7572, 0.2733, 0.2410

# Square

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



58.7572, 0.2864, 0.4106



58.7572, 0.2088, 0.2551



58.7572, 0.3316, 0.2635



58.7572, 0.4274, 0.3899

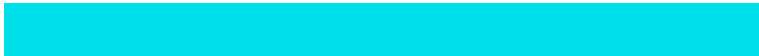


# Rectangle

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



58.7572, 0.2864, 0.4106



58.7572, 0.2177, 0.3145



58.7572, 0.3316, 0.2635



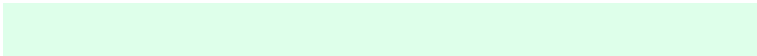
58.7572, 0.4171, 0.3295

# Sweetspot

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



58.7596, 0.2864, 0.4106



92.9897, 0.3040, 0.3501



63.6820, 0.3491, 0.4453



19.6740, 0.3026, 0.3541



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.



58.7596, 0.2864, 0.4106



78.6892, 0.2824, 0.4327



60.7219, 0.2610, 0.3454



14.6874, 0.3065, 0.3439



30.4302, 0.2828, 0.5380



1.9879, 0.2735, 0.5048



# Inverse Universe

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



33.8045, 0.3546, 0.2603



39.6748, 0.3678, 0.2463



32.1553, 0.4095, 0.3141



13.1869, 0.3195, 0.3146



10.0069, 0.4447, 0.2223

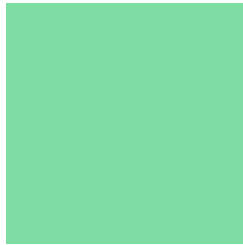


0.6649, 0.4192, 0.2083



# Previews

## White Background



This preview shows how the Yxy color 58.7572, 0.2864, 0.4106 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 58.7572, 0.2864, 0.4106 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 58.7572, 0.2864, 0.4106**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.7572, 0.2864, 0.4106.



This preview shows how white text looks on a background with the Yxy color 58.7572, 0.2864, 0.4106.

# 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

58.7572, 0.2864, 0.4106

### Protanopia

57.8717, 0.3605, 0.3859

### Deuteranopia

57.9560, 0.3644, 0.3574



## Tritanopia

58.4949, 0.2568, 0.3076

# Trichromacy



## Original Color

58.7572, 0.2864, 0.4106



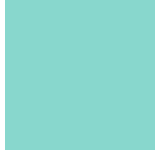
## Protanomaly

57.4571, 0.3292, 0.3954



## Deuteranomaly

56.8025, 0.3317, 0.3751



## Tritanomaly

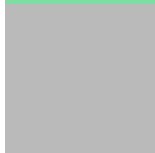
58.2429, 0.2670, 0.3420

# Monochromacy



## Original Color

58.7572, 0.2864, 0.4106



## Achromatopsia

49.1021, 0.3127, 0.3290



## Achromatomaly

51.9137, 0.3014, 0.3583

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.7572, 0.2864, 0.4106 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(126, 221, 162)` looks like.

```
.text, #text, p{  
    color:rgb(126, 221, 162)  
}
```

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(126, 221, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 221, 162) }
```

## Border

The CSS property to change the border of an element to Yxy 58.7572, 0.2864, 0.4106 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(126, 221, 162) }
```

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

```
.border{ border-color:rgb(126, 221, 162) }
```

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

Here you see how a box with a 4 pixel rgb(126, 221, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 221, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 221, 162);  
box-shadow:4px 4px 4px 4px rgb(126, 221,  
162) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.7572, 0.2864, 0.4106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 221, 162) }
```

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

```
.background{ background-color: rgb(126,  
221, 162) }
```

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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