

# Converting Colors

$Yxy(50.6313, 0.2843, 0.3911)$

Have a look what the booklet for  
Yxy(50.6313, 0.2843, 0.3911)  
contains.

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# Color

**Yxy(50.6313, 0.2843, 0.3911)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7DCDA2
RGB	125, 205, 162
RGB Percent	49%, 80%, 64%
CMY	0.5100, 0.1960, 0.3646
CMYK	0.39, 0.00, 0.21, 0.20
HSL	148°, 44%, 65%
HSV	148°, 39%, 80%
XYZ	36.8051, 50.6313, 42.0223
YIQ	176.1780, -33.8770, -30.3330

# Conversions

## Conversions Part 2

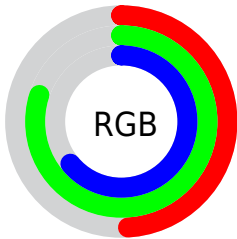
<b>Format</b>	<b>Color</b>
<b>RYB</b>	125, 180, 205
Decimal	8244642
CIELab	76.46, -34.07, 13.79
CIELCh	76, 36.758, 157.964
Yxy	50.6313, 0.2843, 0.3911
Android (android.graphics.Color)	4286434722 (0xFF7DCDA2)
YUV	176.1780, -6.9898, -44.8831
Hunter-Lab	71.1557, -32.1937, 14.7942

# Details

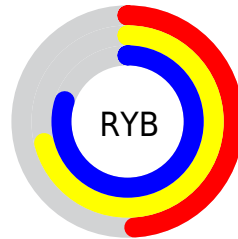
The Yxy color **50.6313, 0.2843, 0.3911** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **30.4587, 0.3570, 0.2748**, and the grayscale version is **43.5592, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2331, 0.2891, 0.3715**, and **24.2781, 0.2758, 0.4103** is the 20% darker color. If you saturate the color by 10%, you get **48.8726, 0.2788, 0.4106**, and if you desaturate by 10%, it is **52.7468, 0.2908, 0.3729**.

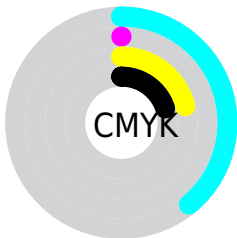
# Distribution



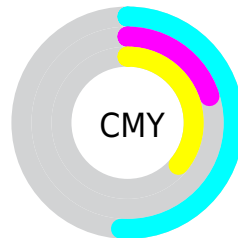
- Red (49%)
- Green (80%)
- Blue (64%)



- Red (49%)
- Yellow (71%)
- Blue (80%)



- Cyan (39%)
- Magenta (0%)
- Yellow (21%)
- Black (20%)




- Cyan (51%)
- Magenta (20%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.6313, 0.2843, 0.3911 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 50.6313, 0.2843, 0.3911 by changing the saturation by 10% instead.





 50.6313, 0.2843,  
0.3911

 50.6313, 0.2843,  
0.3911

389.1296, 0.2989,  
0.3592


 35.9153, 0.2805,  
0.3993


 91.1095, 0.2897,  
0.3793

 24.3688, 0.2756,  
0.4101


 117.6405, 0.2917,  
0.3749

 15.6074, 0.2689,  
0.4246


 148.8786, 0.2934,  
0.3713

 9.2468, 0.2594,  
0.4454

185.2082, 0.2948,  
0.3681

 4.9025, 0.2446,  
0.4775

227.0138, 0.2961,  
0.3654

 2.1902, 0.2191,  
0.5327

274.6795, 0.2971,

 0.7146, 0.0000,

0.3631

1.0000

328.5900, 0.2981,  
0.3610

0.0000, 0.0000,  
0.0000

50.6313, 0.2843,  
0.3911

50.6313, 0.2843,  
0.3911

48.8726, 0.2788,  
0.4106

52.7468, 0.2908,  
0.3729

47.4439, 0.2746,  
0.4312

55.2317, 0.2980,  
0.3563

46.3244, 0.2721,  
0.4522

58.1057, 0.3057,  
0.3412

45.4883, 0.2715,  
0.4732

61.3851, 0.3135,  
0.3278

44.9050, 0.2728,  
0.4935

65.0854, 0.3212,  
0.3159

■ 44.5248, 0.2759,  
0.5125

■ 69.2212, 0.3289,  
0.3054

■ 44.4933, 0.2762,  
0.5142

■ 71.1651, 0.3262,  
0.2951

■ 71.8360, 0.3184,  
0.2847

■ 72.1484, 0.3150,  
0.2802

# Harmonies

## Analogous

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



50.6313, 0.3332, 0.4177



50.6313, 0.2843, 0.3911



50.6313, 0.2451, 0.3437

# Triad

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



50.6313, 0.2843, 0.3911



50.6313, 0.2465, 0.2497



50.6313, 0.4100, 0.3495

# Complementary

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



50.6313, 0.2843, 0.3911



30.4587, 0.3570, 0.2748

# 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.



50.6313, 0.3833, 0.3102



50.6313, 0.2843, 0.3911



50.6313, 0.2862, 0.2552

# Square

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



50.6313, 0.2843, 0.3911



50.6313, 0.2249, 0.2630



50.6313, 0.3365, 0.2768



50.6313, 0.4077, 0.3873



# Rectangle

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



50.6313, 0.2843, 0.3911



50.6313, 0.2289, 0.3107



50.6313, 0.3365, 0.2768



50.6313, 0.4042, 0.3362

# Sweetspot

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



50.6334, 0.2843, 0.3911



93.6378, 0.3033, 0.3457



53.5806, 0.3406, 0.4357



19.9068, 0.3023, 0.3477



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.



50.6334, 0.2843, 0.3911



80.4292, 0.2795, 0.4077



52.2416, 0.2613, 0.3343



12.6220, 0.3054, 0.3417



27.7139, 0.2754, 0.5116



1.4450, 0.2650, 0.4739



# Inverse Universe

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



30.4587, 0.3570, 0.2748



42.7770, 0.3711, 0.2633



29.2174, 0.4045, 0.3241



11.3127, 0.3207, 0.3166



8.8014, 0.4787, 0.2411



0.4693, 0.4397, 0.2196



# Previews

## White Background



This preview shows how the Yxy color 50.6313, 0.2843, 0.3911 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 50.6313, 0.2843, 0.3911 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

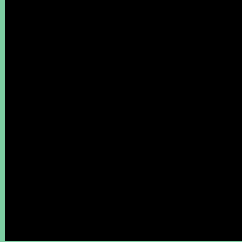
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.6313, 0.2843, 0.3911**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.6313, 0.2843, 0.3911.



This preview shows how white text looks on a background with the Yxy color 50.6313, 0.2843, 0.3911.

# 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**

50.6313, 0.2843, 0.3911

**Protanopia**

49.9827, 0.3504, 0.3720

**Deuteranopia**

49.9839, 0.3527, 0.3460



## Tritanopia

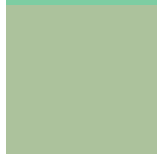
50.5616, 0.2595, 0.3077

# Trichromacy



## Original Color

50.6313, 0.2843, 0.3911



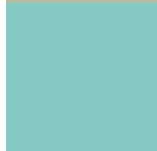
## Protanomaly

49.7545, 0.3232, 0.3801



## Deuteranomaly

49.3673, 0.3244, 0.3619



## Tritanomaly

50.7000, 0.2687, 0.3371

# Monochromacy



## Original Color

50.6313, 0.2843, 0.3911



## Achromatopsia

43.4154, 0.3127, 0.3290



## Achromatomaly

45.6490, 0.3003, 0.3513

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.6313, 0.2843, 0.3911 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(125, 205, 162)` looks like.

```
.text, #text, p{  
    color:rgb(125, 205, 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(125, 205, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 205, 162) }
```

## Border

The CSS property to change the border of an element to Yxy 50.6313, 0.2843, 0.3911 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(125, 205, 162) }
```

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

```
.border{ border-color:rgb(125, 205, 162) }
```

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

Here you see how a box with a 4 pixel rgb(125, 205, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 205, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 205, 162);  
box-shadow:4px 4px 4px 4px rgb(125, 205,  
162) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.6313, 0.2843, 0.3911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 205, 162) }
```

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

```
.background{ background-color: rgb(125,  
205, 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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