

# Converting Colors

Yxy(51.5317, 0.2924, 0.4162)

Have a look what the booklet for  
Yxy(51.5317, 0.2924, 0.4162)  
contains.

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# Color

**Yxy(51.5350, 0.2925, 0.4163)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7CD094
RGB	124, 208, 148
RGB Percent	49%, 82%, 58%
CMY	0.5138, 0.1843, 0.4197
CMYK	0.40, 0.00, 0.29, 0.18
HSL	137°, 47%, 65%
HSV	137°, 40%, 82%
XYZ	36.2094, 51.5350, 36.0485
YIQ	176.0440, -30.8040, -36.4680

# Conversions

## Conversions Part 2

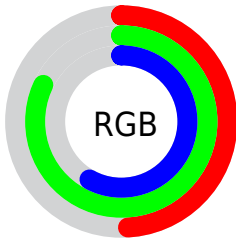
<b>Format</b>	<b>Color</b>
<b>RYB</b>	124, 189, 208
Decimal	8179860
CIELab	77.00, -38.41, 21.99
CIELCh	77, 44.256, 150.207
Yxy	51.5350, 0.2925, 0.4163
Android (android.graphics.Color)	4286369940 (0xFF7CD094)
YUV	176.0440, -13.8257, -45.6426
Hunter-Lab	71.7879, -35.5943, 20.4789

# Details

The Yxy color **51.5350, 0.2925, 0.4163** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **31.2810, 0.3423, 0.2557**, and the grayscale version is **43.5231, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4876, 0.2970, 0.3892**, and **24.9107, 0.2848, 0.4433** is the 20% darker color. If you saturate the color by 10%, you get **49.7071, 0.2888, 0.4429**, and if you desaturate by 10%, it is **53.7544, 0.2970, 0.3914**.

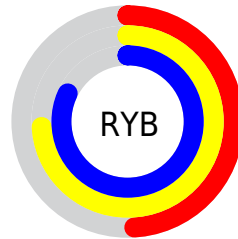
# Distribution



Red (49%)

Green (82%)

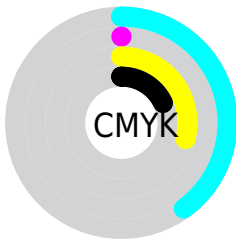
Blue (58%)



Red (49%)

Yellow (74%)

Blue (82%)

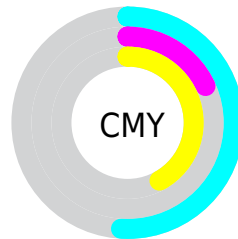


Cyan (40%)

Magenta (0%)

Yellow (29%)

Black (18%)



Cyan (51%)

Magenta (18%)


Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.5350, 0.2925, 0.4163 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 51.5350, 0.2925, 0.4163 by changing the saturation by 10% instead.



 51.5350, 0.2925,  
0.4163

 51.5350, 0.2925,  
0.4163


392.6388, 0.3036,  
0.3711


 36.6346, 0.2894,  
0.4281


 92.4451, 0.2968,  
0.3995

 24.9247, 0.2852,  
0.4434


 119.2236, 0.2983,  
0.3933

 16.0209, 0.2793,  
0.4643


 150.7301, 0.2996,  
0.3881

 9.5390, 0.2704,  
0.4941

187.3493, 0.3007,  
0.3837

 5.0944, 0.2556,  
0.5398

229.4653, 0.3016,  
0.3799

 2.3027, 0.2322,  
0.6281

277.4626, 0.3024,

 0.7752, 0.0000,

0.3766

1.0000

331.7257, 0.3030,  
0.3736

0.0000, 0.0000,  
0.0000

51.5350, 0.2925,  
0.4163

51.5350, 0.2925,  
0.4163

49.7071, 0.2888,  
0.4429

53.7544, 0.2970,  
0.3914

48.2413, 0.2862,  
0.4703

56.3799, 0.3020,  
0.3685

47.1142, 0.2849,  
0.4974


59.4333, 0.3072,  
0.3480


46.2968, 0.2853,  
0.5231


62.9328, 0.3125,  
0.3297

45.7550, 0.2872,  
0.5459

66.8956, 0.3177,  
0.3136

 45.4365, 0.2901,  
0.5642

 71.3379, 0.3227,  
0.2996

 73.4039, 0.3169,  
0.2859

 73.5963, 0.3149,  
0.2831

# Harmonies

## Analogous

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



51.5350, 0.3510, 0.4383



51.5350, 0.2925, 0.4163



51.5350, 0.2423, 0.3622

# Triad

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



51.5350, 0.2925, 0.4163



51.5350, 0.2258, 0.2373



51.5350, 0.4243, 0.3396

# Complementary

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



51.5350, 0.2925, 0.4163



31.2810, 0.3423, 0.2557

# 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.



51.5350, 0.3842, 0.2953



51.5350, 0.2925, 0.4163



51.5350, 0.2670, 0.2389

# Square

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



51.5350, 0.2925, 0.4163



51.5350, 0.2070, 0.2580



51.5350, 0.3247, 0.2596



51.5350, 0.4300, 0.3854



# Rectangle

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



51.5350, 0.2925, 0.4163



51.5350, 0.2197, 0.3210



51.5350, 0.3247, 0.2596



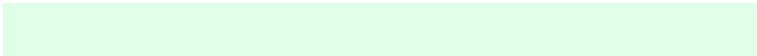
51.5350, 0.4143, 0.3243

# Sweetspot

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



51.5371, 0.2925, 0.4163



93.3226, 0.3063, 0.3514



56.7859, 0.3529, 0.4355



19.8329, 0.3056, 0.3540



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.



51.5371, 0.2925, 0.4163



79.2852, 0.2894, 0.4379



53.1086, 0.2676, 0.3541



13.2610, 0.3077, 0.3460



28.3303, 0.2894, 0.5618



1.5978, 0.2789, 0.5241



# Inverse Universe

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



31.2810, 0.3423, 0.2557



43.0946, 0.3504, 0.2416



29.7788, 0.3917, 0.3061



11.9491, 0.3181, 0.3125



9.7191, 0.4085, 0.2024



0.5567, 0.3888, 0.1916



# Previews

## White Background



This preview shows how the Yxy color 51.5350, 0.2925, 0.4163 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 51.5350, 0.2925, 0.4163 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

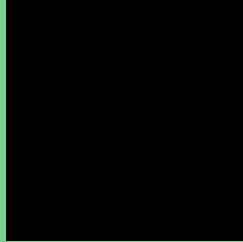
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.5350, 0.2925, 0.4163**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.5350, 0.2925, 0.4163.



This preview shows how white text looks on a background with the Yxy color 51.5350, 0.2925, 0.4163.

# 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

51.5350, 0.2925, 0.4163

### Protanopia

50.9558, 0.3647, 0.3914

### Deuteranopia

51.0046, 0.3700, 0.3624



## Tritanopia

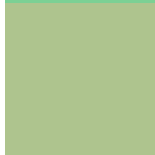
51.2421, 0.2603, 0.3078

# Trichromacy



## Original Color

51.5350, 0.2925, 0.4163



## Protanomaly

50.4315, 0.3350, 0.4015



## Deuteranomaly

49.8429, 0.3379, 0.3801



## Tritanomaly

51.0710, 0.2719, 0.3440

# Monochromacy



## Original Color

51.5350, 0.2925, 0.4163



## Achromatopsia

43.4154, 0.3127, 0.3290



## Achromatomaly

45.8877, 0.3040, 0.3598

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.5350, 0.2925, 0.4163 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(124, 208, 148)` looks like.

```
.text, #text, p{  
    color:rgb(124, 208, 148)  
}
```

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(124, 208, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 208, 148) }
```

## Border

The CSS property to change the border of an element to Yxy 51.5350, 0.2925, 0.4163 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(124, 208, 148) }
```

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

```
.border{ border-color:rgb(124, 208, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 208, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 208, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 208, 148);  
box-shadow:4px 4px 4px 4px rgb(124, 208,  
148) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.5350, 0.2925, 0.4163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 208, 148) }
```

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

```
.background{ background-color: rgb(124,  
208, 148) }
```

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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