

# Converting Colors

Yxy(64.9034, 0.3045, 0.3341)

Have a look what the booklet for  
Yxy(64.9034, 0.3045, 0.3341)  
contains.

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# Color

**Yxy(64.8884, 0.3045, 0.3336)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7D6D2
RGB	199, 214, 210
RGB Percent	78%, 84%, 82%
CMY	0.2197, 0.1607, 0.1764
CMYK	0.07, 0.00, 0.02, 0.16
HSL	164°, 16%, 81%
HSV	164°, 7%, 84%
XYZ	59.2282, 64.8884, 70.3930
YIQ	209.0590, -7.6560, -4.4240

# Conversions

## Conversions Part 2

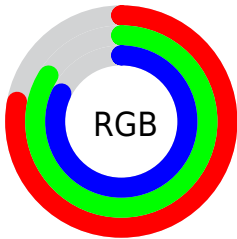
Format	Color
R <sub>Y</sub> B	199, 208, 214
Decimal	13096658
CIE Lab	84.43, -5.80, 0.21
CIE LCh	84, 5.805, 177.905
Yxy	64.8884, 0.3045, 0.3336
Android (android.graphics.Color)	4291286738 (0xFFC7D6D2)
YUV	209.0590, 0.4639, -8.8217
Hunter-Lab	80.5533, -9.7233, 4.5757

# Details

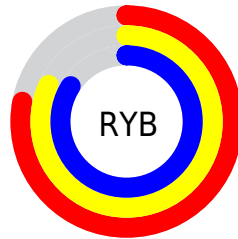
The Yxy color **64.8884, 0.3045, 0.3336** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **59.4384, 0.3216, 0.3244**, and the grayscale version is **63.8008, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.2163, 0.3021, 0.3336** is the 20% darker color. If you saturate the color by 10%, you get **61.8897, 0.2932, 0.3407**, and if you desaturate by 10%, it is **68.3142, 0.3162, 0.3272**.

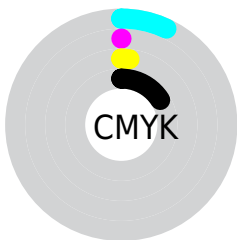
# Distribution



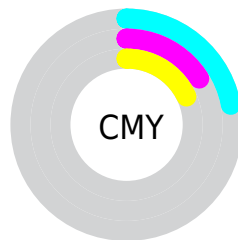
- Red (78%)
- Green (84%)
- Blue (82%)



- Red (78%)
- Yellow (82%)
- Blue (84%)



- Cyan (7%)
- Magenta (0%)
- Yellow (2%)
- Black (16%)



- Cyan (22%)
- Magenta (16%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.8884, 0.3045, 0.3336 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 64.8884, 0.3045, 0.3336 by changing the saturation by 10% instead.



■ 64.8884, 0.3045,  
0.3336

■ 64.8884, 0.3045,  
0.3336

442.3908, 0.3084,  
0.3314

■ 47.3706, 0.3036,  
0.3341

111.8894, 0.3059,  
0.3328

■ 33.3287, 0.3025,  
0.3347

142.1414, 0.3064,  
0.3325

■ 22.3784, 0.3010,  
0.3356

177.4069, 0.3068,  
0.3323

■ 14.1352, 0.2991,  
0.3366

218.0703, 0.3072,  
0.3321

■ 8.2148, 0.2964,  
0.3382

264.5160, 0.3076,  
0.3319

■ 4.2327, 0.2923,  
0.3404

317.1284, 0.3079,

■ 1.8046, 0.2856,

0.3317

0.3442

376.2918, 0.3081,  
0.3316

0.4900, 0.2432,  
0.3676

0.0000, 0.0000,  
0.0000

64.8884, 0.3045,  
0.3336

64.8884, 0.3045,  
0.3336

61.8897, 0.2932,  
0.3407

68.3142, 0.3162,  
0.3272

59.2927, 0.2825,  
0.3485

72.1752, 0.3281,  
0.3214


57.0819, 0.2729,  
0.3570

74.9068, 0.3339,  
0.3160

55.2372, 0.2645,  
0.3660


75.2250, 0.3299,  
0.3104

 53.7372, 0.2576,  
0.3755

 75.5536, 0.3259,  
0.3049

 52.5578, 0.2525,  
0.3852

 75.8926, 0.3220,  
0.2994

 51.6720, 0.2494,  
0.3952

 76.2423, 0.3182,  
0.2940

 51.0481, 0.2483,  
0.4052

 76.5792, 0.3146,  
0.2891

 50.6443, 0.2491,  
0.4150

# Harmonies

## Analogous

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



64.8884, 0.3113, 0.3390



64.8884, 0.3045, 0.3336



64.8884, 0.2999, 0.3270

# Triad

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



64.8884, 0.3045, 0.3336



64.8884, 0.3068, 0.3168



64.8884, 0.3270, 0.3367

# Complementary

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



64.8884, 0.3045, 0.3336



59.4384, 0.3216, 0.3244

# 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.



64.8884, 0.3257, 0.3308



64.8884, 0.3045, 0.3336



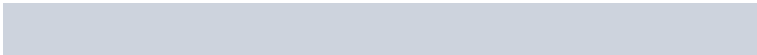
64.8884, 0.3140, 0.3194

# Square

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



64.8884, 0.3045, 0.3336



64.8884, 0.3012, 0.3174



64.8884, 0.3210, 0.3245



64.8884, 0.3243, 0.3407



# Rectangle

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



64.8884, 0.3045, 0.3336



64.8884, 0.2987, 0.3229



64.8884, 0.3210, 0.3245



64.8884, 0.3270, 0.3349

# Sweetspot

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



64.8912, 0.3045, 0.3336



98.9588, 0.3103, 0.3303



64.9146, 0.3148, 0.3465



21.1922, 0.3105, 0.3302



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.



64.8912, 0.3045, 0.3336



95.9911, 0.3033, 0.3343



63.3341, 0.3019, 0.3249



14.0491, 0.3017, 0.3352



30.5655, 0.2490, 0.4165



1.8569, 0.2443, 0.3995



# Inverse Universe

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



59.4384, 0.3216, 0.3244



86.7392, 0.3231, 0.3237



60.8849, 0.3243, 0.3331



12.4743, 0.3250, 0.3228



8.8324, 0.5869, 0.3007

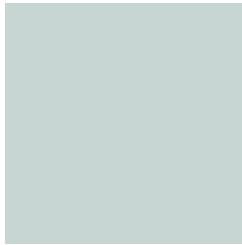


0.5465, 0.5369, 0.2731



# Previews

## White Background



This preview shows how the Yxy color 64.8884, 0.3045, 0.3336 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

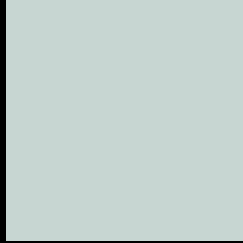
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.8884, 0.3045, 0.3336 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

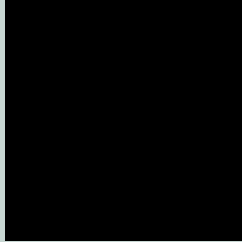
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

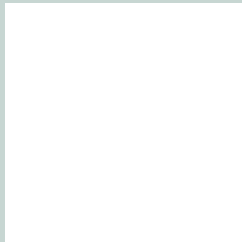
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.8884, 0.3045, 0.3336**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.8884, 0.3045, 0.3336.

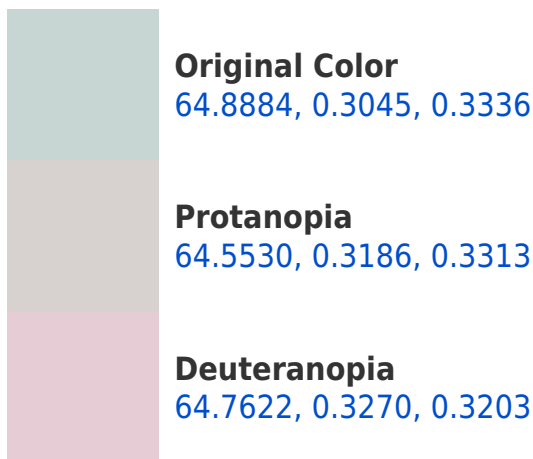


This preview shows how white text looks on a background with the Yxy color 64.8884, 0.3045, 0.3336.

# 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





## Tritanopia

64.7465, 0.2949, 0.3097

# Trichromacy



## Original Color

64.8884, 0.3045, 0.3336

## Protanomaly

64.6979, 0.3133, 0.3324

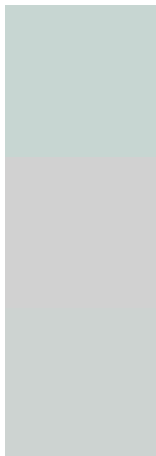
## Deuteranomaly

64.8750, 0.3189, 0.3257

## Tritanomaly

64.7249, 0.2988, 0.3187

# Monochromacy



## Original Color

64.8884, 0.3045, 0.3336

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

64.1711, 0.3097, 0.3313

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.8884, 0.3045, 0.3336 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(199, 214, 210)` looks like.

```
.text, #text, p{  
    color:rgb(199, 214, 210)  
}
```

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(199, 214, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 214, 210) }
```

## Border

The CSS property to change the border of an element to Yxy 64.8884, 0.3045, 0.3336 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(199, 214, 210) }
```

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

```
.border{ border-color:rgb(199, 214, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 214, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 214, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 214, 210);  
box-shadow:4px 4px 4px 4px rgb(199, 214,  
210) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.8884, 0.3045, 0.3336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 214, 210) }
```

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

```
.background{ background-color: rgb(199,  
214, 210) }
```

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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