

# Converting Colors

$Yxy(65.1116, 0.3058, 0.3383)$

Have a look what the booklet for  
Yxy(65.1116, 0.3058, 0.3383)  
contains.

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# Color

**Yxy(65.1116, 0.3058, 0.3383)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6D7CF
RGB	198, 215, 207
RGB Percent	78%, 84%, 81%
CMY	0.2234, 0.1569, 0.1882
CMYK	0.08, 0.00, 0.04, 0.16
HSL	152°, 18%, 81%
HSV	152°, 8%, 84%
XYZ	58.8564, 65.1116, 68.4990
YIQ	209.0050, -7.5640, -6.0920

# Conversions

## Conversions Part 2

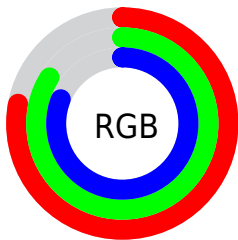
Format	Color
RYP	198, 209, 215
Decimal	13031375
CIELab	84.54, -7.19, 1.98
CIElCh	85, 7.458, 164.639
Yxy	65.1116, 0.3058, 0.3383
Android (android.graphics.Color)	4291221455 (0xFFC6D7CF)
YUV	209.0050, -0.9885, -9.6514
Hunter-Lab	80.6918, -11.0130, 6.1531

# Details

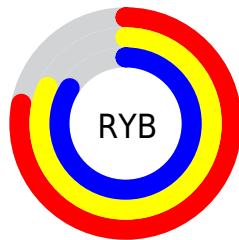
The Yxy color **65.1116, 0.3058, 0.3383** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **59.3034, 0.3202, 0.3199**, and the grayscale version is **63.7782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.3708, 0.3037, 0.3398** is the 20% darker color. If you saturate the color by 10%, you get **61.9171, 0.2972, 0.3513**, and if you desaturate by 10%, it is **68.7581, 0.3146, 0.3267**.

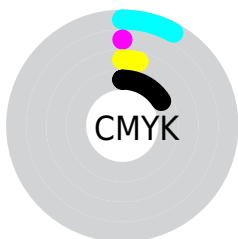
# Distribution



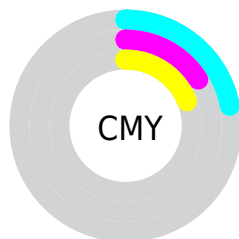
- Red (78%)
- Green (84%)
- Blue (81%)



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



- Cyan (8%)
- Magenta (0%)
- Yellow (4%)
- Black (16%)



- Cyan (22%)
- Magenta (16%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.1116, 0.3058, 0.3383 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 65.1116, 0.3058, 0.3383 by changing the saturation by 10% instead.



■ 65.1116, 0.3058,  
0.3383

■ 65.1116, 0.3058,  
0.3383

443.1929, 0.3091,  
0.3339

■ 47.5516, 0.3050,  
0.3393

112.2103, 0.3070,  
0.3367

■ 33.4719, 0.3041,  
0.3406

142.5177, 0.3074,  
0.3361

■ 22.4882, 0.3028,  
0.3423

177.8431, 0.3078,  
0.3356

■ 14.2161, 0.3012,  
0.3446

218.5709, 0.3081,  
0.3352

■ 8.2711, 0.2988,  
0.3477

265.0853, 0.3084,  
0.3348

■ 4.2689, 0.2953,  
0.3525

317.7709, 0.3087,

■ 1.8251, 0.2895,

0.3345

377.0119, 0.3089,  
0.3342

0.3605

0.5027, 0.2489,  
0.4140

0.0000, 0.0000,  
0.0000

65.1116, 0.3058,  
0.3383

65.1116, 0.3058,  
0.3383

61.9171, 0.2972,  
0.3513

68.7581, 0.3146,  
0.3267

59.1484, 0.2891,  
0.3657

72.8653, 0.3234,  
0.3163

56.7889, 0.2818,  
0.3814

75.9968, 0.3265,  
0.3068

54.8181, 0.2755,  
0.3983

76.6068, 0.3196,  
0.2971

■ 53.2132, 0.2706,  
0.4161

■ 77.0800, 0.3145,  
0.2900

■ 51.9493, 0.2674,  
0.4345

■ 50.9981, 0.2661,  
0.4531

■ 50.3263, 0.2669,  
0.4714

■ 49.8872, 0.2695,  
0.4888

# Harmonies

## Analogous

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



65.1116, 0.3151, 0.3438



65.1116, 0.3058, 0.3383



65.1116, 0.2984, 0.3302

# Triad

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



65.1116, 0.3058, 0.3383



65.1116, 0.3015, 0.3131



65.1116, 0.3309, 0.3357

# Complementary

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



65.1116, 0.3058, 0.3383



59.3034, 0.3202, 0.3199

# 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.



65.1116, 0.3272, 0.3276



65.1116, 0.3058, 0.3383



65.1116, 0.3101, 0.3147

# Square

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



65.1116, 0.3058, 0.3383



65.1116, 0.2960, 0.3157



65.1116, 0.3195, 0.3200



65.1116, 0.3297, 0.3422



# Rectangle

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



65.1116, 0.3058, 0.3383



65.1116, 0.2955, 0.3245



65.1116, 0.3195, 0.3200



65.1116, 0.3302, 0.3331

# Sweetspot

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



65.1144, 0.3058, 0.3383



98.8918, 0.3109, 0.3313



65.8329, 0.3178, 0.3486



21.1785, 0.3110, 0.3312



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

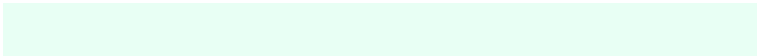


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.1144, 0.3058, 0.3383



95.2275, 0.3048, 0.3398



65.3714, 0.3006, 0.3286



14.0047, 0.3045, 0.3402



29.8140, 0.2694, 0.4899



1.8149, 0.2610, 0.4596



# Inverse Universe

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



59.3034, 0.3202, 0.3199



85.4639, 0.3215, 0.3185



59.0541, 0.3262, 0.3294



12.5172, 0.3218, 0.3181



9.2272, 0.5070, 0.2566



0.5732, 0.4665, 0.2343



# Previews

## White Background



This preview shows how the Yxy color 65.1116, 0.3058, 0.3383 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

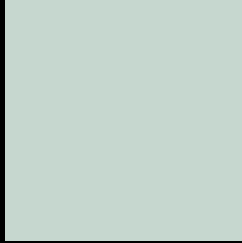
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.1116, 0.3058, 0.3383 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

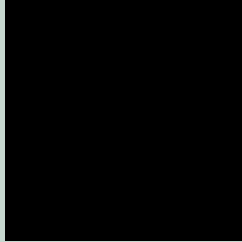
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

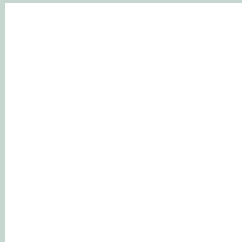
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 65.1116, 0.3058, 0.3383**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.1116, 0.3058, 0.3383.

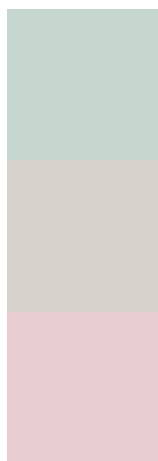


This preview shows how white text looks on a background with the Yxy color 65.1116, 0.3058, 0.3383.

# 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

65.1116, 0.3058, 0.3383

### Protanopia

65.0517, 0.3214, 0.3358

### Deuteranopia

64.7781, 0.3300, 0.3236



## Tritanopia

65.3007, 0.2943, 0.3098

# Trichromacy



## Original Color

65.1116, 0.3058, 0.3383

## Protanomaly

65.0501, 0.3153, 0.3370

## Deuteranomaly

64.7259, 0.3210, 0.3290

## Tritanomaly

65.2265, 0.2988, 0.3198

# Monochromacy



## Original Color

65.1116, 0.3058, 0.3383

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

64.1217, 0.3103, 0.3325

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.1116, 0.3058, 0.3383 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(198, 215, 207)` looks like.

```
.text, #text, p{  
    color:rgb(198, 215, 207)  
}
```

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(198, 215, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 215, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 65.1116, 0.3058, 0.3383 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(198, 215, 207) }
```

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

```
.border{ border-color:rgb(198, 215, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 215, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 215, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 215, 207);  
box-shadow:4px 4px 4px 4px rgb(198, 215,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.1116, 0.3058, 0.3383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 215, 207) }
```

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

```
.background{ background-color: rgb(198,  
215, 207) }
```

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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