

# Converting Colors

$Y_{xy}(58.0854, 0.3129, 0.3192)$

Have a look what the booklet for  
Yxy(58.0854, 0.3129, 0.3192)  
contains.

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# Color

**Yxy(58.0150, 0.3124, 0.3185)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CEC6CF
RGB	206, 198, 207
RGB Percent	81%, 78%, 81%
CMY	0.1923, 0.2235, 0.1882
CMYK	0.00, 0.04, 0.00, 0.19
HSL	293°, 9%, 79%
HSV	293°, 4%, 81%
XYZ	56.9039, 58.0150, 67.2318
YIQ	201.4180, 1.8790, 4.4950

# Conversions

## Conversions Part 2

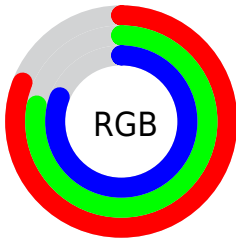
Format	Color
R <sub>Y</sub> B	206, 198, 207
Decimal	13551311
CIE Lab	80.75, 4.40, -3.50
CIE LCh	81, 5.621, 321.455
Yxy	58.0150, 0.3124, 0.3185
Android (android.graphics.Color)	4291741391 (0xFFCEC6CF)
YUV	201.4180, 2.7519, 4.0184
Hunter-Lab	76.1676, 0.0619, 0.9830

# Details

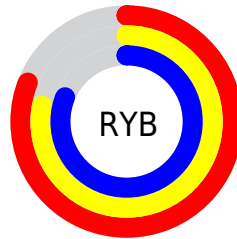
The Yxy color **58.0150, 0.3124, 0.3185** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **60.8541, 0.3130, 0.3397**, and the grayscale version is **58.6624, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **28.9218, 0.3123, 0.3150** is the 20% darker color. If you saturate the color by 10%, you get **48.8531, 0.3115, 0.2936**, and if you desaturate by 10%, it is **68.4804, 0.3131, 0.3423**.

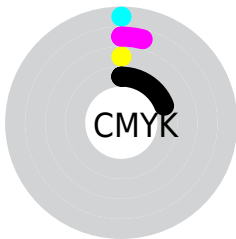
# Distribution



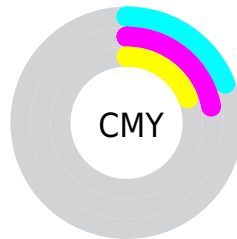
- Red (81%)
- Green (78%)
- Blue (81%)



- Red (81%)
- Yellow (78%)
- Blue (81%)



- Cyan (0%)
- Magenta (4%)
- Yellow (0%)
- Black (19%)



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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.0150, 0.3124, 0.3185 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 58.0150, 0.3124, 0.3185 by changing the saturation by 10% instead.



■ 58.0150, 0.3124,  
0.3185

■ 58.0150, 0.3124,  
0.3185

417.2418, 0.3126,  
0.3235

■ 41.8207, 0.3124,  
0.3173

101.9447, 0.3125,  
0.3203

■ 28.9609, 0.3123,  
0.3158

130.4489, 0.3125,  
0.3210

■ 19.0513, 0.3122,  
0.3139

163.8252, 0.3125,  
0.3215

■ 11.7073, 0.3121,  
0.3113

202.4580, 0.3125,  
0.3221

■ 6.5447, 0.3119,  
0.3076

246.7316, 0.3125,  
0.3225

■ 3.1790, 0.3116,  
0.3020

297.0306, 0.3126,

■ 1.2259, 0.3110,

0.3229

0.2924

353.7392, 0.3126,  
0.3232

0.0827, 0.3081,  
0.1370

0.0000, 0.0000,  
0.0000

58.0150, 0.3124,  
0.3185

58.0150, 0.3124,  
0.3185

48.8531, 0.3115,  
0.2936

68.4804, 0.3131,  
0.3423

40.9350, 0.3103,  
0.2680

80.2910, 0.3135,  
0.3646

34.2075, 0.3087,  
0.2424

90.1882, 0.3141,  
0.3802

28.6109, 0.3068,  
0.2178

90.5471, 0.3156,  
0.3800

■ 24.0800, 0.3046,  
0.1952

■ 90.9113, 0.3170,  
0.3798

■ 20.5429, 0.3021,  
0.1755

■ 91.2808, 0.3186,  
0.3795

■ 17.9191, 0.2994,  
0.1596

■ 91.6555, 0.3201,  
0.3793

■ 16.1154, 0.2965,  
0.1481

■ 92.0356, 0.3216,  
0.3791

■ 15.0184, 0.2935,  
0.1409

■ 92.4210, 0.3231,  
0.3788

# Harmonies

## Analogous

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



58.0150, 0.3053, 0.3165



58.0150, 0.3124, 0.3185



58.0150, 0.3196, 0.3232

# Triad

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



58.0150, 0.3124, 0.3185



58.0150, 0.3253, 0.3402



58.0150, 0.3006, 0.3284

# Complementary

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



58.0150, 0.3124, 0.3185



60.8541, 0.3130, 0.3397

# 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.



58.0150, 0.3058, 0.3349



58.0150, 0.3124, 0.3185



58.0150, 0.3201, 0.3418

# Square

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



58.0150, 0.3124, 0.3185



58.0150, 0.3271, 0.3356



58.0150, 0.3129, 0.3399



58.0150, 0.2986, 0.3222



# Rectangle

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



58.0150, 0.3124, 0.3185



58.0150, 0.3235, 0.3273



58.0150, 0.3129, 0.3399



58.0150, 0.3020, 0.3307

# Sweetspot

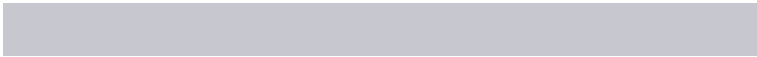
The Sweet Spot groups the original color and five complimentary colors.



58.0175, 0.3124, 0.3185



98.3282, 0.3126, 0.3266



57.3889, 0.3062, 0.3195



21.0639, 0.3127, 0.3267



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.



58.0175, 0.3124, 0.3185



91.8561, 0.3123, 0.3167



57.9992, 0.3157, 0.3225



12.7308, 0.3123, 0.3153



9.2224, 0.2923, 0.1384



0.5357, 0.2979, 0.1414



# Inverse Universe

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



57.7865, 0.3191, 0.3278



91.4276, 0.3202, 0.3276



60.8739, 0.3098, 0.3356



12.6642, 0.3211, 0.3274



8.4060, 0.6250, 0.3217

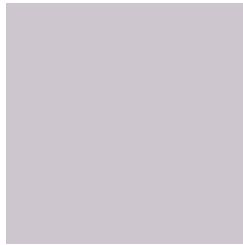


0.4776, 0.5872, 0.3008



# Previews

## White Background



This preview shows how the Yxy color 58.0150, 0.3124, 0.3185 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 58.0150, 0.3124, 0.3185 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

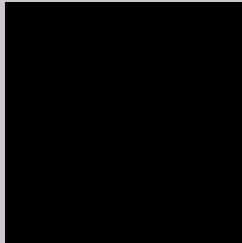
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

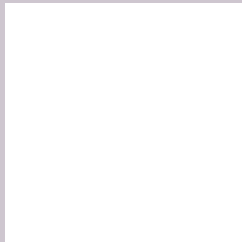
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.0150, 0.3124, 0.3185**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.0150, 0.3124, 0.3185.



This preview shows how white text looks on a background with the Yxy color 58.0150, 0.3124, 0.3185.

# 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

58.0150, 0.3124, 0.3185

### Protanopia

57.9575, 0.3086, 0.3184

### Deuteranopia

57.7366, 0.3199, 0.3130



## Tritanopia

58.0020, 0.3089, 0.3105

# Trichromacy



## Original Color

58.0150, 0.3124, 0.3185

## Protanomaly

58.0974, 0.3093, 0.3184

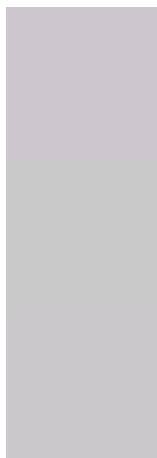
## Deuteranomaly

57.5813, 0.3166, 0.3140

## Tritanomaly

57.9011, 0.3104, 0.3128

# Monochromacy



## Original Color

58.0150, 0.3124, 0.3185

## Achromatopsia

58.4078, 0.3127, 0.3290

## Achromatomaly

58.3169, 0.3129, 0.3255

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.0150, 0.3124, 0.3185 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(206, 198, 207)` looks like.

```
.text, #text, p{  
    color:rgb(206, 198, 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(206, 198, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 198, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 58.0150, 0.3124, 0.3185 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(206, 198, 207) }
```

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

```
.border{ border-color:rgb(206, 198, 207) }
```

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

Here you see how a box with a 4 pixel rgb(206, 198, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 198, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 198, 207);  
box-shadow:4px 4px 4px 4px rgb(206, 198,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.0150, 0.3124, 0.3185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 198, 207) }
```

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

```
.background{ background-color: rgb(206,  
198, 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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