

# Converting Colors

Yxy(58.7690, 0.3074, 0.3214)

Have a look what the booklet for  
Yxy(58.7690, 0.3074, 0.3214)  
contains.

<b>Yxy(58.6067, 0.3070, 0.3207)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# **Color**

**Yxy(58.6067, 0.3070, 0.3207)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C8C9D0
RGB	200, 201, 208
RGB Percent	78%, 79%, 82%
CMY	0.2155, 0.2118, 0.1843
CMYK	0.04, 0.03, 0.00, 0.18
HSL	233°, 8%, 80%
HSV	233°, 4%, 82%
XYZ	56.1031, 58.6067, 68.0364
YIQ	201.4990, -2.8430, 1.9650

# Conversions

## Conversions Part 2

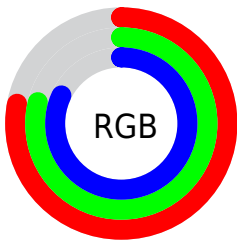
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	200, 201, 208
Decimal	13158864
CIE Lab	81.07, 1.00, -3.61
CIE LCh	81, 3.749, 285.424
Yxy	58.6067, 0.3070, 0.3207
Android (android.graphics.Color)	4291348944 (0xFFC8C9D0)
YUV	201.4990, 3.2050, -1.3146
Hunter-Lab	76.5550, -3.1582, 0.8960

# Details

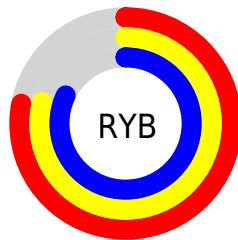
The Yxy color **58.6067, 0.3070, 0.3207** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **62.2489, 0.3184, 0.3372**, and the grayscale version is **58.7218, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **29.3115, 0.3051, 0.3180** is the 20% darker color. If you saturate the color by 10%, you get **47.8797, 0.2908, 0.2970**, and if you desaturate by 10%, it is **70.7522, 0.3214, 0.3415**.

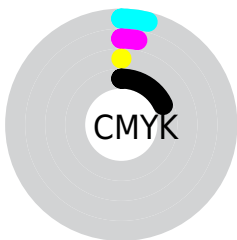
# Distribution



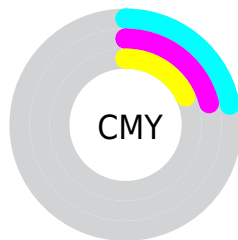
- Red (78%)
- Green (79%)
- Blue (82%)



- Red (78%)
- Yellow (79%)
- Blue (82%)



- Cyan (4%)
- Magenta (3%)
- Yellow (0%)
- Black (18%)



- Cyan (22%)
- Magenta (21%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.6067, 0.3070, 0.3207 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 58.6067, 0.3070, 0.3207 by changing the saturation by 10% instead.



■ 58.6067, 0.3070,  
0.3207

■ 58.6067, 0.3070,  
0.3207

419.4428, 0.3098,  
0.3247

■ 42.2966, 0.3063,  
0.3198

102.8058, 0.3080,  
0.3221

■ 29.3336, 0.3055,  
0.3186

131.4636, 0.3084,  
0.3227

■ 19.3333, 0.3044,  
0.3170

165.0061, 0.3087,  
0.3231

■ 11.9114, 0.3030,  
0.3149

203.8177, 0.3089,  
0.3235

■ 6.6834, 0.3009,  
0.3120

248.2828, 0.3092,  
0.3239

■ 3.2649, 0.2977,  
0.3075

298.7858, 0.3094,

■ 1.2715, 0.2922,

0.3242

0.2997

355.7110, 0.3096,  
0.3244

0.1190, 0.2152,  
0.1863

0.0000, 0.0000,  
0.0000

58.6067, 0.3070,  
0.3207

58.6067, 0.3070,  
0.3207

47.8797, 0.2908,  
0.2970

70.7522, 0.3214,  
0.3415

38.5122, 0.2730,  
0.2703

84.3576, 0.3341,  
0.3596

30.4519, 0.2537,  
0.2409

97.3346, 0.3406,  
0.3750

23.6404, 0.2336,  
0.2095

■ 18.0149, 0.2133,  
0.1771

■ 13.5070, 0.1941,  
0.1454

■ 10.0412, 0.1774,  
0.1166

■ 7.5325, 0.1642,  
0.0926

■ 5.8822, 0.1556,  
0.0752

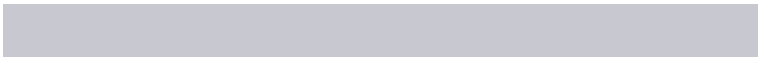
# Harmonies

## Analogous

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



58.6067, 0.3040, 0.3220



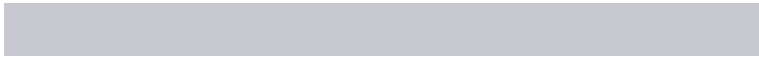
58.6067, 0.3070, 0.3207



58.6067, 0.3115, 0.3216

# Triad

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



58.6067, 0.3070, 0.3207



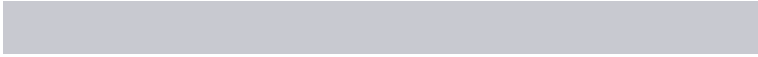
58.6067, 0.3222, 0.3327



58.6067, 0.3090, 0.3337

# Complementary

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



58.6067, 0.3070, 0.3207



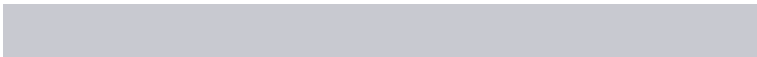
62.2489, 0.3184, 0.3372

# 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.



58.6067, 0.3139, 0.3366



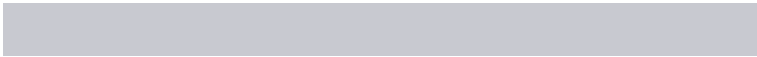
58.6067, 0.3070, 0.3207



58.6067, 0.3215, 0.3360

# Square

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



58.6067, 0.3070, 0.3207



58.6067, 0.3203, 0.3284



58.6067, 0.3184, 0.3374

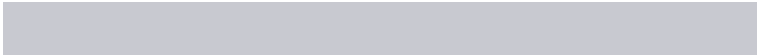


58.6067, 0.3052, 0.3295



# Rectangle

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



58.6067, 0.3070, 0.3207



58.6067, 0.3148, 0.3233



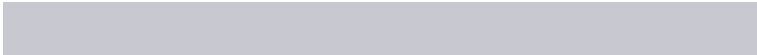
58.6067, 0.3184, 0.3374



58.6067, 0.3106, 0.3349

# Sweetspot

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



58.6092, 0.3070, 0.3207



98.0914, 0.3112, 0.3268



61.9071, 0.3075, 0.3302



21.0157, 0.3113, 0.3270



0.0000, 0.0000, 0.0000

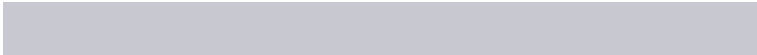


21.4041, 0.3127, 0.3290



# Same Dimension

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



58.6092, 0.3070, 0.3207



90.6880, 0.3051, 0.3179



58.5820, 0.3093, 0.3197



12.5486, 0.3042, 0.3166



3.3282, 0.1526, 0.0692



0.2624, 0.1592, 0.0931



# Inverse Universe

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



58.9626, 0.3183, 0.3279



91.4292, 0.3202, 0.3276



62.2828, 0.3161, 0.3383



12.6644, 0.3211, 0.3274



8.4072, 0.6246, 0.3215

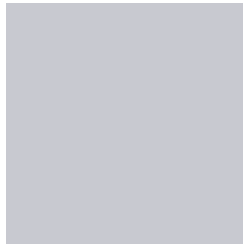


0.4778, 0.5863, 0.3004



# Previews

## White Background



This preview shows how the Yxy color 58.6067, 0.3070, 0.3207 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

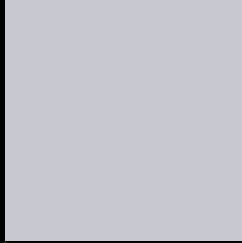
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.6067, 0.3070, 0.3207 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

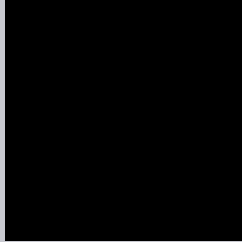
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

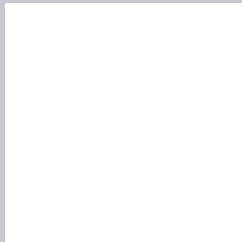
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.6067, 0.3070, 0.3207**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.6067, 0.3070, 0.3207.

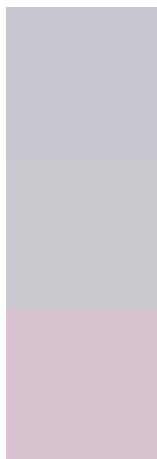


This preview shows how white text looks on a background with the Yxy color 58.6067, 0.3070, 0.3207.

# 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

58.6067, 0.3070, 0.3207

### Protanopia

58.5591, 0.3093, 0.3196

### Deuteranopia

58.3854, 0.3198, 0.3131



## Tritanopia

58.6839, 0.3021, 0.3103

# Trichromacy



## Original Color

58.6067, 0.3070, 0.3207

## Protanomaly

58.4192, 0.3085, 0.3196

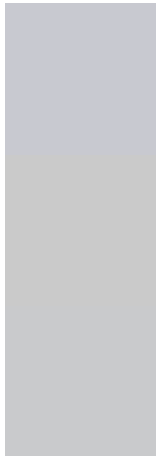
## Deuteranomaly

58.3848, 0.3149, 0.3152

## Tritanomaly

58.5302, 0.3042, 0.3138

# Monochromacy



## Original Color

58.6067, 0.3070, 0.3207

## Achromatopsia

59.0619, 0.3127, 0.3290

## Achromatomaly

59.0182, 0.3105, 0.3266

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.6067, 0.3070, 0.3207 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(200, 201, 208)` looks like.

```
.text, #text, p{  
    color:rgb(200, 201, 208)  
}
```

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(200, 201, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 201, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 58.6067, 0.3070, 0.3207 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(200, 201, 208) }
```

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

```
.border{ border-color:rgb(200, 201, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 201, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 201, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 201, 208);  
box-shadow:4px 4px 4px 4px rgb(200, 201,  
208) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.6067, 0.3070, 0.3207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 201, 208) }
```

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

```
.background{ background-color: rgb(200,  
201, 208) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor