

# Converting Colors

$Yxy(58.0092, 0.3005, 0.3214)$

Have a look what the booklet for  
Yxy(58.0092, 0.3005, 0.3214)  
contains.

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# Color

**Yxy(58.0016, 0.3009, 0.3218)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0CAD0
RGB	192, 202, 208
RGB Percent	75%, 79%, 82%
CMY	0.2472, 0.2078, 0.1843
CMYK	0.08, 0.03, 0.00, 0.18
HSL	202°, 15%, 78%
HSV	202°, 8%, 82%
XYZ	54.2346, 58.0016, 68.0050
YIQ	199.6940, -7.8860, -0.2540

# Conversions

## Conversions Part 2

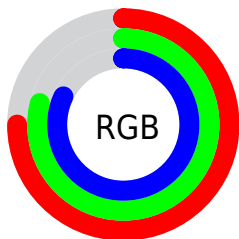
Format	Color
R <sub>Y</sub> B	192, 198, 208
Decimal	12634832
CIE Lab	80.74, -2.27, -4.17
CIE LCh	81, 4.743, 241.447
Yxy	58.0016, 0.3009, 0.3218
Android (android.graphics.Color)	4290824912 (0xFFC0CAD0)
YUV	199.6940, 4.0949, -6.7476
Hunter-Lab	76.1588, -6.1636, 0.3689

# Details

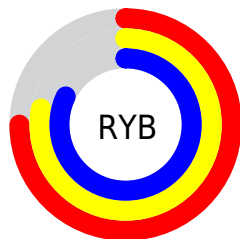
The Yxy color **58.0016, 0.3009, 0.3218** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **57.5688, 0.3252, 0.3361**, and the grayscale version is **57.5360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6965, 0.3084, 0.3290**, and **29.0019, 0.2981, 0.3194** is the 20% darker color. If you saturate the color by 10%, you get **51.9331, 0.2854, 0.3116**, and if you desaturate by 10%, it is **64.6413, 0.3162, 0.3310**.

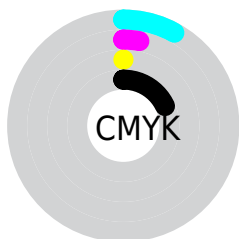
# Distribution



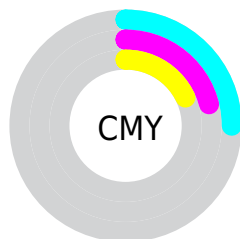
- Red (75%)
- Green (79%)
- Blue (82%)



- Red (75%)
- Yellow (78%)
- Blue (82%)



- Cyan (8%)
- Magenta (3%)
- Yellow (0%)
- Black (18%)



- Cyan (25%)
- Magenta (21%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.0016, 0.3009, 0.3218 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 58.0016, 0.3009, 0.3218 by changing the saturation by 10% instead.



■ 58.0016, 0.3009,  
0.3218

■ 58.0016, 0.3009,  
0.3218

417.1919, 0.3066,  
0.3253

■ 41.8099, 0.2995,  
0.3210

■ 101.9252, 0.3029,  
0.3230

■ 28.9525, 0.2978,  
0.3199

130.4259, 0.3037,  
0.3235

■ 19.0449, 0.2956,  
0.3185

163.7984, 0.3043,  
0.3239

■ 11.7027, 0.2927,  
0.3166

202.4271, 0.3049,  
0.3243

■ 6.5416, 0.2884,  
0.3139

246.6965, 0.3054,  
0.3246

■ 3.1771, 0.2820,  
0.3098

296.9908, 0.3058,

■ 1.2249, 0.2708,

0.3248

0.3024

353.6944, 0.3062,  
0.3251

0.0819, 0.0464,  
0.1689

0.0000, 0.0000,  
0.0000

58.0016, 0.3009,  
0.3218

58.0016, 0.3009,  
0.3218

51.9331, 0.2854,  
0.3116

64.6413, 0.3162,  
0.3310

46.4097, 0.2698,  
0.3003

71.8624, 0.3310,  
0.3393

41.4140, 0.2546,  
0.2881

79.6842, 0.3452,  
0.3466

36.9248, 0.2401,  
0.2750

84.0979, 0.3443,  
0.3542

■ 32.9191, 0.2266,  
0.2613

■ 88.5821, 0.3430,  
0.3617

■ 29.3715, 0.2147,  
0.2471

■ 93.2613, 0.3417,  
0.3690

■ 26.2537, 0.2045,  
0.2326

■ 97.3336, 0.3406,  
0.3751

■ 23.5329, 0.1965,  
0.2183

■ 21.1638, 0.1905,  
0.2043

# Harmonies

## Analogous

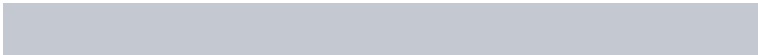
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



58.0016, 0.3016, 0.3267



58.0016, 0.3009, 0.3218



58.0016, 0.3034, 0.3189

# Triad

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



58.0016, 0.3009, 0.3218



58.0016, 0.3203, 0.3258



58.0016, 0.3170, 0.3395

# Complementary

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



58.0016, 0.3009, 0.3218



57.5688, 0.3252, 0.3361

# 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.



58.0016, 0.3221, 0.3392



58.0016, 0.3009, 0.3218



58.0016, 0.3240, 0.3312

# Square

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



58.0016, 0.3009, 0.3218



58.0016, 0.3146, 0.3212



58.0016, 0.3247, 0.3361



58.0016, 0.3108, 0.3370

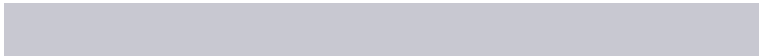


# Rectangle

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



58.0016, 0.3009, 0.3218



58.0016, 0.3065, 0.3185



58.0016, 0.3247, 0.3361



58.0016, 0.3189, 0.3398

# Sweetspot

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



58.0040, 0.3009, 0.3218



97.8393, 0.3096, 0.3272



60.3781, 0.3078, 0.3412



20.9644, 0.3098, 0.3273



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

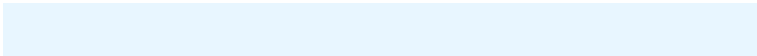


# Same Dimension

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



58.0040, 0.3009, 0.3218



90.5700, 0.2987, 0.3204



54.3804, 0.3009, 0.3122



12.6359, 0.2983, 0.3201



13.0648, 0.1897, 0.2030



0.8799, 0.1969, 0.2287



# Inverse Universe

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



55.3542, 0.3181, 0.3172



85.6829, 0.3192, 0.3150



61.2846, 0.3243, 0.3453



11.9312, 0.3194, 0.3145



9.3902, 0.4419, 0.2208

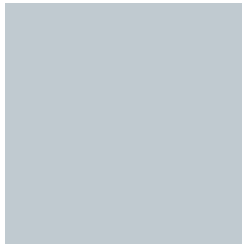


0.5401, 0.4140, 0.2054



# Previews

## White Background



This preview shows how the Yxy color 58.0016, 0.3009, 0.3218 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

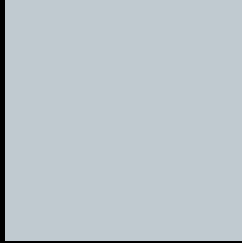
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.0016, 0.3009, 0.3218 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

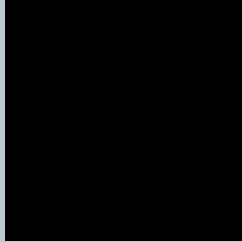
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

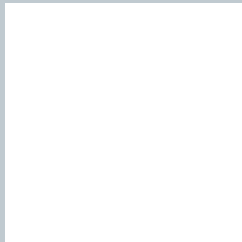
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.0016, 0.3009, 0.3218**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.0016, 0.3009, 0.3218.

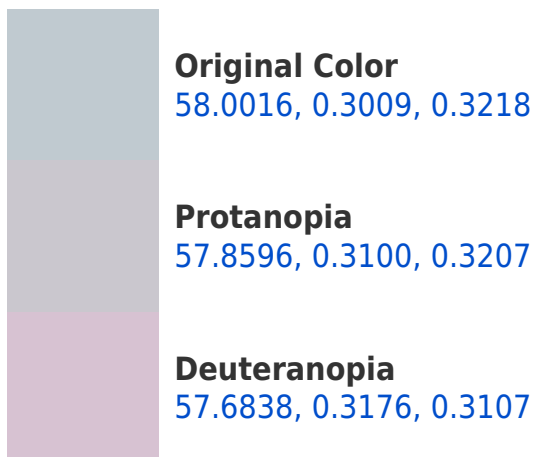


This preview shows how white text looks on a background with the Yxy color 58.0016, 0.3009, 0.3218.

# 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

58.1205, 0.2955, 0.3100

# Trichromacy



## Original Color

58.0016, 0.3009, 0.3218

## Protanomaly

57.8193, 0.3062, 0.3207

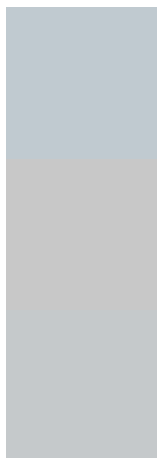
## Deuteranomaly

57.8014, 0.3118, 0.3150

## Tritanomaly

57.9658, 0.2976, 0.3135

# Monochromacy



## Original Color

58.0016, 0.3009, 0.3218

## Achromatopsia

57.7580, 0.3127, 0.3290

## Achromatomaly

57.9554, 0.3082, 0.3266

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.0016, 0.3009, 0.3218 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(192, 202, 208)` looks like.

```
.text, #text, p{  
    color:rgb(192, 202, 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(192, 202, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 202, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 58.0016, 0.3009, 0.3218 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(192, 202, 208) }
```

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

```
.border{ border-color:rgb(192, 202, 208) }
```

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

Here you see how a box with a 4 pixel rgb(192, 202, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 202, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 202, 208);  
box-shadow:4px 4px 4px 4px rgb(192, 202,  
208) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.0016, 0.3009, 0.3218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 202, 208) }
```

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

```
.background{ background-color: rgb(192,  
202, 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](#).

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