

# Converting Colors

$Y_{xy}(59.7122, 0.3018, 0.3201)$

Have a look what the booklet for  
Yxy(59.7122, 0.3018, 0.3201)  
contains.

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# Color

**Yxy(59.6750, 0.3011, 0.3195)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C4CCD4
RGB	196, 204, 212
RGB Percent	77%, 80%, 83%
CMY	0.2315, 0.2000, 0.1685
CMYK	0.08, 0.04, 0.00, 0.17
HSL	210°, 16%, 80%
HSV	210°, 8%, 83%
XYZ	56.2383, 59.6750, 70.8629
YIQ	202.5200, -7.3360, 0.7920

# Conversions

## Conversions Part 2

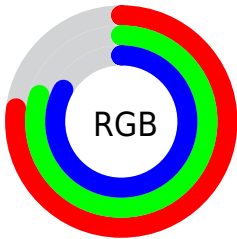
Format	Color
R <sub>Y</sub> B	196, 201, 212
Decimal	12897492
CIE Lab	81.66, -1.19, -4.94
CIE LCh	82, 5.081, 256.417
Yxy	59.6750, 0.3011, 0.3195
Android (android.graphics.Color)	4291087572 (0xFFC4CCD4)
YUV	202.5200, 4.6736, -5.7180
Hunter-Lab	77.2496, -5.2374, -0.3134

# Details

The Yxy color **59.6750, 0.3011, 0.3195** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **61.1676, 0.3247, 0.3383**, and the grayscale version is **59.3777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **29.9978, 0.2983, 0.3179** is the 20% darker color. If you saturate the color by 10%, you get **52.1687, 0.2852, 0.3057**, and if you desaturate by 10%, it is **67.9304, 0.3163, 0.3319**.

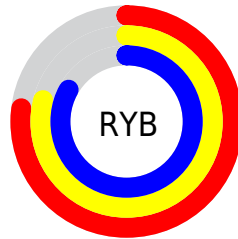
# Distribution



Red (77%)

Green (80%)

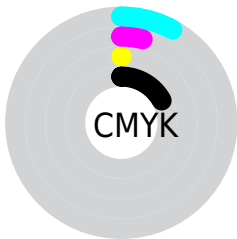
Blue (83%)



Red (77%)

Yellow (79%)

Blue (83%)

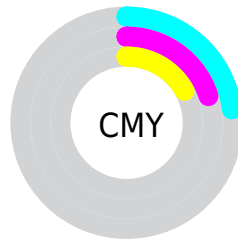


Cyan (8%)

Magenta (4%)

Yellow (0%)

Black (17%)



Cyan (23%)

Magenta (20%)

Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.6750, 0.3011, 0.3195 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 59.6750, 0.3011, 0.3195 by changing the saturation by 10% instead.



■ 59.6750, 0.3011,  
0.3195

■ 59.6750, 0.3011,  
0.3195

423.3988, 0.3067,  
0.3241

■ 43.1567, 0.2998,  
0.3184

104.3581, 0.3031,  
0.3211

■ 30.0081, 0.2981,  
0.3170

133.2917, 0.3038,  
0.3217

■ 19.8447, 0.2960,  
0.3153

167.1325, 0.3045,  
0.3223

■ 12.2822, 0.2931,  
0.3129

206.2649, 0.3050,  
0.3227

■ 6.9362, 0.2891,  
0.3095

251.0734, 0.3055,  
0.3231

■ 3.4222, 0.2829,  
0.3043

301.9422, 0.3059,

■ 1.3559, 0.2724,

0.3235

0.2954

359.2559, 0.3063,  
0.3238

0.1839, 0.1665,  
0.2102

0.0000, 0.0000,  
0.0000

59.6750, 0.3011,  
0.3195

59.6750, 0.3011,  
0.3195

52.1687, 0.2852,  
0.3057

67.9304, 0.3163,  
0.3319

45.3805, 0.2690,  
0.2904

76.9496, 0.3308,  
0.3428

39.2878, 0.2526,  
0.2737

85.8777, 0.3412,  
0.3528

33.8643, 0.2366,  
0.2558

92.1494, 0.3395,  
0.3629

■ 29.0812, 0.2214,  
0.2369

■ 97.5352, 0.3381,  
0.3710

■ 24.9074, 0.2075,  
0.2174

■ 21.3084, 0.1955,  
0.1979

■ 18.2446, 0.1858,  
0.1788

■ 15.6642, 0.1784,  
0.1607

# Harmonies

## Analogous

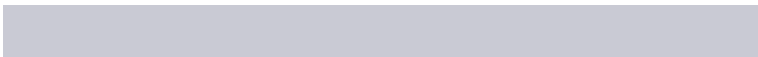
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



59.6750, 0.3001, 0.3238



59.6750, 0.3011, 0.3195



59.6750, 0.3052, 0.3178

# Triad

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



59.6750, 0.3011, 0.3195



59.6750, 0.3231, 0.3284



59.6750, 0.3140, 0.3392

# Complementary

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



59.6750, 0.3011, 0.3195



61.1676, 0.3247, 0.3383

# 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.



59.6750, 0.3202, 0.3404



59.6750, 0.3011, 0.3195



59.6750, 0.3255, 0.3341

# Square

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



59.6750, 0.3011, 0.3195



59.6750, 0.3179, 0.3229



59.6750, 0.3245, 0.3385



59.6750, 0.3075, 0.3352



# Rectangle

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



59.6750, 0.3011, 0.3195



59.6750, 0.3091, 0.3184



59.6750, 0.3245, 0.3385



59.6750, 0.3162, 0.3400

# Sweetspot

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



59.6775, 0.3011, 0.3195



97.4313, 0.3097, 0.3265



63.1821, 0.3066, 0.3388



20.8813, 0.3098, 0.3267



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

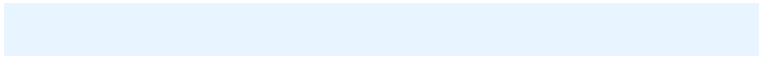


# Same Dimension

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



59.6775, 0.3011, 0.3195



88.8084, 0.2987, 0.3175



56.0732, 0.3011, 0.3102



13.0256, 0.2982, 0.3171



9.5152, 0.1775, 0.1589



0.7395, 0.1862, 0.1902



# Inverse Universe

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



57.8278, 0.3195, 0.3197



85.5051, 0.3210, 0.3178



64.9560, 0.3239, 0.3472



12.5235, 0.3214, 0.3174



9.3054, 0.4945, 0.2498

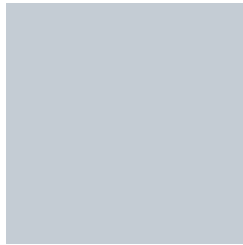


0.5780, 0.4565, 0.2288



# Previews

## White Background



This preview shows how the Yxy color 59.6750, 0.3011, 0.3195 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

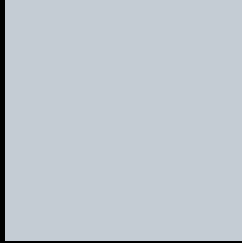
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.6750, 0.3011, 0.3195 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

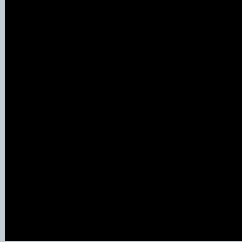
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

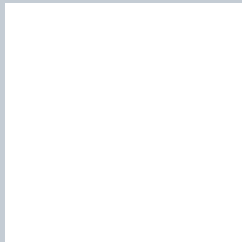
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 59.6750, 0.3011, 0.3195**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.6750, 0.3011, 0.3195.

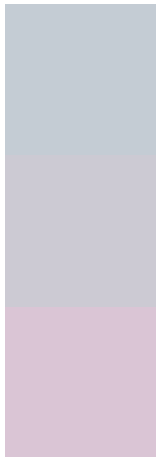


This preview shows how white text looks on a background with the Yxy color 59.6750, 0.3011, 0.3195.

# 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

59.6750, 0.3011, 0.3195

### Protanopia

59.7816, 0.3079, 0.3185

### Deuteranopia

59.6420, 0.3175, 0.3110



## Tritanopia

59.6967, 0.2971, 0.3103

# Trichromacy



## Original Color

59.6750, 0.3011, 0.3195

## Protanomaly

59.8325, 0.3056, 0.3196

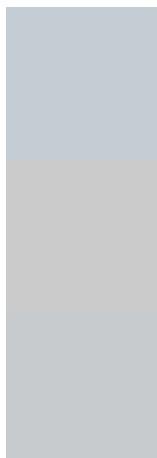
## Deuteranomaly

59.8143, 0.3111, 0.3141

## Tritanomaly

59.5401, 0.2992, 0.3137

# Monochromacy



## Original Color

59.6750, 0.3011, 0.3195

## Achromatopsia

59.7202, 0.3127, 0.3290

## Achromatomaly

59.4475, 0.3083, 0.3255

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.6750, 0.3011, 0.3195 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(196, 204, 212)` looks like.

```
.text, #text, p{  
    color:rgb(196, 204, 212)  
}
```

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(196, 204, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 204, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 59.6750, 0.3011, 0.3195 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(196, 204, 212) }
```

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

```
.border{ border-color:rgb(196, 204, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 204, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 204, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 204, 212);  
box-shadow:4px 4px 4px 4px rgb(196, 204,  
212) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.6750, 0.3011, 0.3195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 204, 212) }
```

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

```
.background{ background-color: rgb(196,  
204, 212) }
```

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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