

# Converting Colors

Yxy(59.0740, 0.3000, 0.3141)

Have a look what the booklet for  
Yxy(59.0740, 0.3000, 0.3141)  
contains.

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# Color

**Yxy(59.0177, 0.2998, 0.3137)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5CAD7
RGB	197, 202, 215
RGB Percent	77%, 79%, 84%
CMY	0.2277, 0.2078, 0.1568
CMYK	0.08, 0.06, 0.00, 0.16
HSL	223°, 18%, 81%
HSV	223°, 8%, 84%
XYZ	56.4026, 59.0177, 72.7139
YIQ	201.9870, -7.1530, 2.9830

# Conversions

## Conversions Part 2

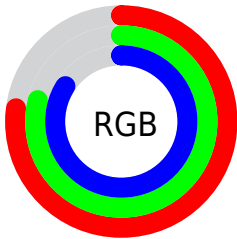
Format	Color
R <sub>Y</sub> B	197, 201, 215
Decimal	12962519
CIE Lab	81.30, 0.77, -7.06
CIE LCh	81, 7.097, 276.199
Yxy	59.0177, 0.2998, 0.3137
Android (android.graphics.Color)	4291152599 (0xFFC5CAD7)
YUV	201.9870, 6.4154, -4.3736
Hunter-Lab	76.8230, -3.3874, -2.3426

# Details

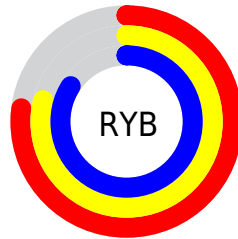
The Yxy color  $59.0177, 0.2998, 0.3137$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $64.5398, 0.3257, 0.3438$ , and the grayscale version is  $59.0139, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $99.8108, 0.3121, 0.3290$ , and  $29.5575, 0.2966, 0.3102$  is the 20% darker color. If you saturate the color by 10%, you get  $49.4248, 0.2833, 0.2934$ , and if you desaturate by 10%, it is  $69.7567, 0.3151, 0.3317$ .

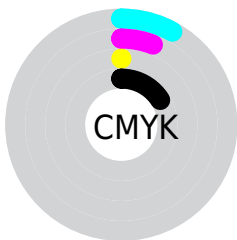
# Distribution



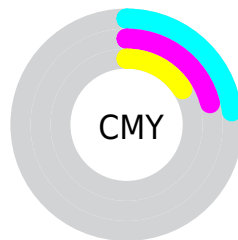
- Red (77%)
- Green (79%)
- Blue (84%)



- Red (77%)
- Yellow (79%)
- Blue (84%)



- Cyan (8%)
- Magenta (6%)
- Yellow (0%)
- Black (16%)



- Cyan (23%)
- Magenta (21%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.0177, 0.2998, 0.3137 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 59.0177, 0.2998, 0.3137 by changing the saturation by 10% instead.



■ 59.0177, 0.2998,  
0.3137

■ 59.0177, 0.2998,  
0.3137

420.9675, 0.3060,  
0.3210

■ 42.6274, 0.2983,  
0.3120

103.4034, 0.3020,  
0.3163

■ 29.5929, 0.2965,  
0.3098

132.1675, 0.3028,  
0.3173

■ 19.5298, 0.2941,  
0.3070

165.8251, 0.3036,  
0.3181

■ 12.0537, 0.2908,  
0.3032

204.7604, 0.3042,  
0.3189

■ 6.7803, 0.2863,  
0.2978

249.3579, 0.3047,  
0.3195

■ 3.3251, 0.2793,  
0.2897

300.0020, 0.3052,

■ 1.3037, 0.2674,

0.3201

0.2759

357.0771, 0.3056,  
0.3206

0.1441, 0.1639,  
0.1517

0.0000, 0.0000,  
0.0000

59.0177, 0.2998,  
0.3137

59.0177, 0.2998,  
0.3137

49.4248, 0.2833,  
0.2934

69.7567, 0.3151,  
0.3317

40.9318, 0.2657,  
0.2708

81.6713, 0.3290,  
0.3476

33.5003, 0.2473,  
0.2460

93.5548, 0.3373,  
0.3619

27.0866, 0.2288,  
0.2196

97.6868, 0.3363,  
0.3681

■ 21.6438, 0.2107,  
0.1922

■ 17.1212, 0.1940,  
0.1649

■ 13.4627, 0.1796,  
0.1390

■ 10.6052, 0.1684,  
0.1158

■ 8.4666, 0.1605,  
0.0965

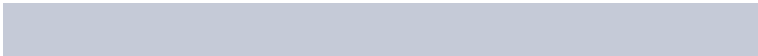
# Harmonies

## Analogous

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



59.0177, 0.2955, 0.3173



59.0177, 0.2998, 0.3137



59.0177, 0.3076, 0.3141

# Triad

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



59.0177, 0.2998, 0.3137



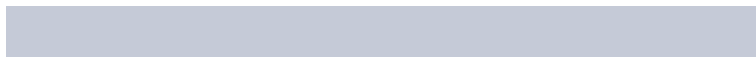
59.0177, 0.3301, 0.3334



59.0177, 0.3084, 0.3400

# Complementary

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



59.0177, 0.2998, 0.3137



64.5398, 0.3257, 0.3438

# 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.



59.0177, 0.3177, 0.3444



59.0177, 0.2998, 0.3137



59.0177, 0.3303, 0.3404

# Square

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



59.0177, 0.2998, 0.3137



59.0177, 0.3251, 0.3254



59.0177, 0.3257, 0.3445



59.0177, 0.3004, 0.3325



# Rectangle

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



59.0177, 0.2998, 0.3137



59.0177, 0.3138, 0.3166



59.0177, 0.3257, 0.3445



59.0177, 0.3115, 0.3419

# Sweetspot

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



59.0202, 0.2998, 0.3137



95.1174, 0.3082, 0.3237



65.1165, 0.3031, 0.3349



20.0854, 0.3069, 0.3222



0.0000, 0.0000, 0.0000

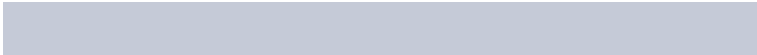


21.4041, 0.3127, 0.3290



# Same Dimension

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



59.0202, 0.2998, 0.3137



84.3319, 0.2971, 0.3104



57.2141, 0.3028, 0.3078



12.5708, 0.2982, 0.3117



5.0460, 0.1601, 0.0963



0.4441, 0.1697, 0.1308



# Inverse Universe

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



58.6226, 0.3233, 0.3232



83.6703, 0.3257, 0.3220



66.4973, 0.3222, 0.3497



12.4776, 0.3247, 0.3225



8.8542, 0.5815, 0.2977

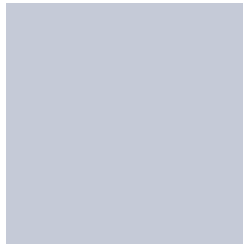


0.5482, 0.5315, 0.2702



# Previews

## White Background



This preview shows how the Yxy color 59.0177, 0.2998, 0.3137 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

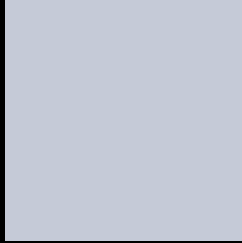
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.0177, 0.2998, 0.3137 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

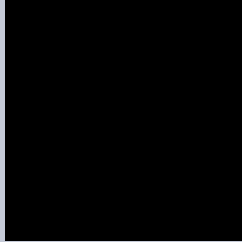
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

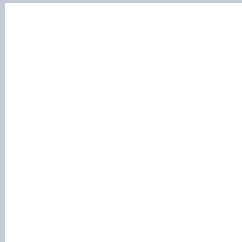
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 59.0177, 0.2998, 0.3137**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.0177, 0.2998, 0.3137.

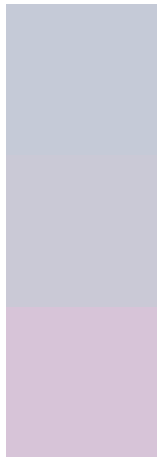


This preview shows how white text looks on a background with the Yxy color 59.0177, 0.2998, 0.3137.

# 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

59.0177, 0.2998, 0.3137

### Protanopia

59.1849, 0.3043, 0.3138

### Deuteranopia

58.8848, 0.3130, 0.3064



## Tritanopia

59.1733, 0.2978, 0.3102

# Trichromacy



## Original Color

59.0177, 0.2998, 0.3137

## Protanomaly

58.9077, 0.3028, 0.3138

## Deuteranomaly

58.7559, 0.3075, 0.3083

## Tritanomaly

59.1211, 0.2985, 0.3114

# Monochromacy



## Original Color

59.0177, 0.2998, 0.3137

## Achromatopsia

59.0619, 0.3127, 0.3290

## Achromatomaly

59.0254, 0.3076, 0.3231

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.0177, 0.2998, 0.3137 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(197, 202, 215)` looks like.

```
.text, #text, p{  
    color:rgb(197, 202, 215)  
}
```

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(197, 202, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 202, 215) }
```

## Border

The CSS property to change the border of an element to Yxy 59.0177, 0.2998, 0.3137 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(197, 202, 215) }
```

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

```
.border{ border-color:rgb(197, 202, 215) }
```

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

Here you see how a box with a 4 pixel rgb(197, 202, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 202, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 202, 215);  
box-shadow:4px 4px 4px 4px rgb(197, 202,  
215) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.0177, 0.2998, 0.3137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 202, 215) }
```

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

```
.background{ background-color: rgb(197,  
202, 215) }
```

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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