

# Converting Colors

Yxy(59.0546, 0.3023, 0.3174)

Have a look what the booklet for  
Yxy(59.0546, 0.3023, 0.3174)  
contains.

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# Color

**Yxy(59.0003, 0.3026, 0.3172)**

# Conversions

Conversions Part 1	
Format	Color
Hex	C6CAD4
RGB	198, 202, 212
RGB Percent	78%, 79%, 83%
CMY	0.2237, 0.2078, 0.1686
CMYK	0.07, 0.05, 0.00, 0.17
HSL	223°, 14%, 80%
HSV	223°, 7%, 83%
XYZ	56.2846, 59.0003, 70.7185
YIQ	201.9440, -5.5940, 2.2620

# Conversions

## Conversions Part 2

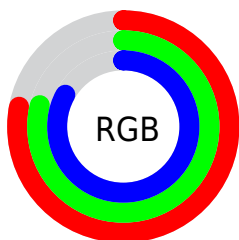
Format	Color
<a href="#">RYB</a>	<a href="#">198, 201, 212</a>
Decimal	<a href="#">13028052</a>
CIELab	<a href="#">81.29, 0.51, -5.46</a>
CIELCh	<a href="#">81, 5.482, 275.384</a>
Yxy	<a href="#">59.0003, 0.3026, 0.3172</a>
Android (android.graphics.Color)	<a href="#">4291218132</a> (0xFFC6CAD4)
YUV	<a href="#">201.9440, 4.9576, -3.4589</a>
Hunter-Lab	<a href="#">76.8117, -3.6224, -0.8186</a>

# Details

The Yxy color **59.0003, 0.3026, 0.3172** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.1619, 0.3229, 0.3405**, and the grayscale version is **58.9948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **29.5434, 0.3003, 0.3148** is the 20% darker color. If you saturate the color by 10%, you get **49.5893, 0.2863, 0.2975**, and if you desaturate by 10%, it is **69.5104, 0.3176, 0.3346**.

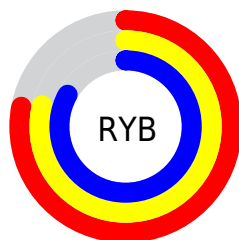
# Distribution



Red (78%)

Green (79%)

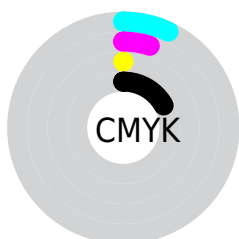
Blue (83%)



Red (78%)

Yellow (79%)

Blue (83%)

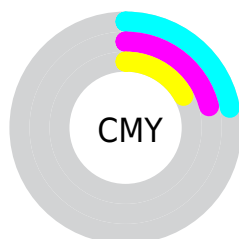


Cyan (7%)

Magenta (5%)

Yellow (0%)

Black (17%)



Cyan (22%)

Magenta (21%)


Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.0003, 0.3026, 0.3172 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 59.0003, 0.3026, 0.3172 by changing the saturation by 10% instead.




 59.0003, 0.3026,  
0.3172

 59.0003, 0.3026,  
0.3172


420.9030, 0.3075,  
0.3229

 42.6134, 0.3014,  
0.3159

103.3781, 0.3043,  
0.3192

 29.5819, 0.3000,  
0.3142


132.1378, 0.3050,  
0.3200

 19.5214, 0.2981,  
0.3120


165.7904, 0.3055,  
0.3206

 12.0477, 0.2956,  
0.3090

204.7205, 0.3060,  
0.3212

 6.7761, 0.2920,  
0.3049

249.3124, 0.3065,  
0.3217

 3.3225, 0.2865,  
0.2985

299.9506, 0.3068,

 1.3023, 0.2770,

0.3221

0.2877

357.0193, 0.3072,  
0.3225

0.1430, 0.1792,  
0.1725

0.0000, 0.0000,  
0.0000

59.0003, 0.3026,  
0.3172

59.0003, 0.3026,  
0.3172

49.5893, 0.2863,  
0.2975

69.5104, 0.3176,  
0.3346

41.2336, 0.2690,  
0.2756

81.1468, 0.3314,  
0.3499

33.8973, 0.2508,  
0.2516

92.6800, 0.3394,  
0.3638

27.5394, 0.2323,  
0.2257

97.5343, 0.3381,  
0.3711

■ 22.1162, 0.2142,  
0.1988

■ 17.5803, 0.1974,  
0.1716

■ 13.8796, 0.1826,  
0.1456

■ 10.9558, 0.1707,  
0.1219

■ 8.7393, 0.1623,  
0.1017

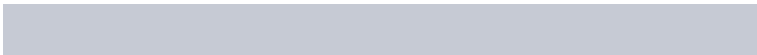
# Harmonies

## Analogous

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



59.0003, 0.2993, 0.3201



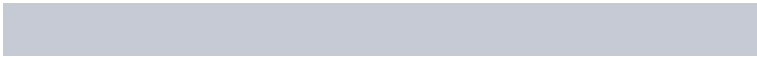
59.0003, 0.3026, 0.3172



59.0003, 0.3086, 0.3174

# Triad

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



59.0003, 0.3026, 0.3172



59.0003, 0.3260, 0.3323



59.0003, 0.3096, 0.3376

# Complementary

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



59.0003, 0.3026, 0.3172



63.1619, 0.3229, 0.3405

# 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.



59.0003, 0.3167, 0.3409



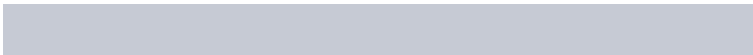
59.0003, 0.3026, 0.3172



59.0003, 0.3263, 0.3378

# Square

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



59.0003, 0.3026, 0.3172



59.0003, 0.3222, 0.3261



59.0003, 0.3229, 0.3410

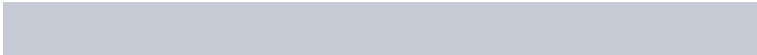


59.0003, 0.3033, 0.3319



# Rectangle

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



59.0003, 0.3026, 0.3172



59.0003, 0.3134, 0.3193



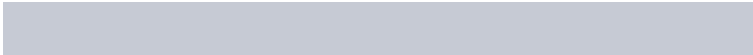
59.0003, 0.3229, 0.3410



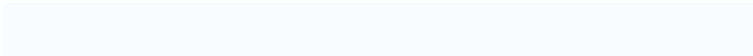
59.0003, 0.3120, 0.3390

# Sweetspot

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



59.0028, 0.3026, 0.3172



96.7540, 0.3097, 0.3255



63.6381, 0.3053, 0.3339



20.7434, 0.3098, 0.3257



0.0000, 0.0000, 0.0000

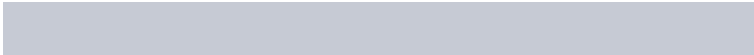


21.4041, 0.3127, 0.3290



# Same Dimension

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



59.0028, 0.3026, 0.3172



87.4274, 0.3003, 0.3145



57.5055, 0.3048, 0.3125



12.5877, 0.2982, 0.3119



5.1638, 0.1606, 0.0981



0.4530, 0.1703, 0.1329



# Inverse Universe

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



58.6307, 0.3208, 0.3243



86.7687, 0.3228, 0.3233



64.7548, 0.3203, 0.3452



12.4793, 0.3246, 0.3223



8.8661, 0.5787, 0.2962

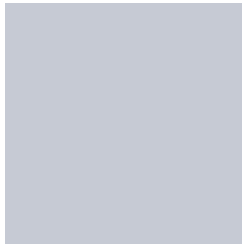


0.5491, 0.5287, 0.2686



# Previews

## White Background



This preview shows how the Yxy color 59.0003, 0.3026, 0.3172 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

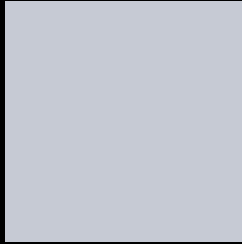
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.0003, 0.3026, 0.3172 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

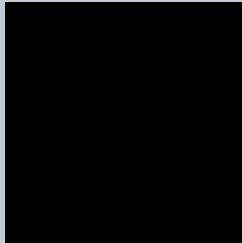
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

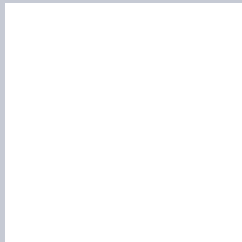
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 59.0003, 0.3026, 0.3172**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.0003, 0.3026, 0.3172.

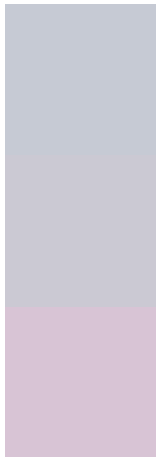


This preview shows how white text looks on a background with the Yxy color 59.0003, 0.3026, 0.3172.

# 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

59.0003, 0.3026, 0.3172

### Protanopia

59.1729, 0.3071, 0.3173

### Deuteranopia

58.8829, 0.3160, 0.3097



## Tritanopia

58.9252, 0.3000, 0.3103

# Trichromacy



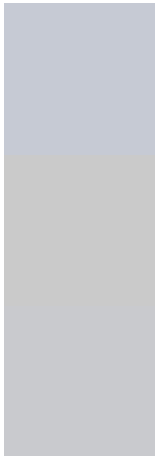
**Original Color**  
59.0003, 0.3026, 0.3172

**Protanomaly**  
58.8939, 0.3056, 0.3173

**Deuteranomaly**  
58.7476, 0.3104, 0.3117

**Tritanomaly**  
58.8217, 0.3013, 0.3126

# Monochromacy



**Original Color**  
59.0003, 0.3026, 0.3172

**Achromatopsia**  
59.0619, 0.3127, 0.3290

**Achromatomaly**  
59.1148, 0.3091, 0.3243

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.0003, 0.3026, 0.3172 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(198, 202, 212) looks like.

```
.text, #text, p{  
    color:rgb(198, 202, 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(198, 202, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 202, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 59.0003, 0.3026, 0.3172 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(198, 202, 212) }
```

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

```
.border{ border-color:rgb(198, 202, 212) }
```

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

Here you see how a box with a 4 pixel rgb(198, 202, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 202, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 202, 212);  
box-shadow:4px 4px 4px 4px rgb(198, 202,  
212) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.0003, 0.3026, 0.3172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 202, 212) }
```

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

```
.background{ background-color: rgb(198,  
202, 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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