

# Converting Colors

Yxy(60.3816, 0.3050, 0.3191)

Have a look what the booklet for  
Yxy(60.3816, 0.3050, 0.3191)  
contains.

<b>Yxy(60.4958, 0.3056, 0.3197)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(60.4958, 0.3056, 0.3197)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CACCD4
RGB	202, 204, 212
RGB Percent	79%, 80%, 83%
CMY	0.2079, 0.1999, 0.1687
CMYK	0.05, 0.04, 0.00, 0.17
HSL	228°, 10%, 81%
HSV	228°, 5%, 83%
XYZ	57.8277, 60.4958, 70.9033
YIQ	204.3140, -3.7600, 2.0640

# Conversions

## Conversions Part 2

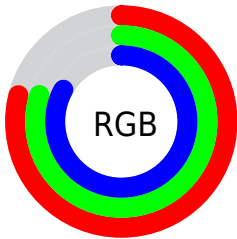
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	202, 204, 212
Decimal	13290708
CIE Lab	82.11, 0.80, -4.20
CIE LCh	82, 4.279, 280.818
Yxy	60.4958, 0.3056, 0.3197
Android (android.graphics.Color)	4291480788 (0xFFCACCD4)
YUV	204.3140, 3.7892, -2.0294
Hunter-Lab	77.7790, -3.4009, 0.3966

# Details

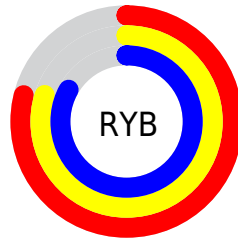
The Yxy color **60.4958, 0.3056, 0.3197** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.3265, 0.3198, 0.3381**, and the grayscale version is **60.5691, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **30.5429, 0.3042, 0.3181** is the 20% darker color. If you saturate the color by 10%, you get **50.1418, 0.2894, 0.2981**, and if you desaturate by 10%, it is **72.1321, 0.3203, 0.3388**.

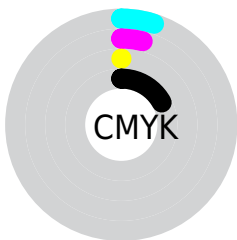
# Distribution



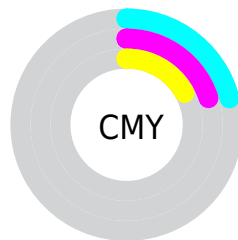
- Red (79%)
- Green (80%)
- Blue (83%)



- Red (79%)
- Yellow (80%)
- Blue (83%)



- Cyan (5%)
- Magenta (4%)
- Yellow (0%)
- Black (17%)



- Cyan (21%)
- Magenta (20%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.4958, 0.3056, 0.3197 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 60.4958, 0.3056, 0.3197 by changing the saturation by 10% instead.



■ 60.4958, 0.3056,  
0.3197

■ 60.4958, 0.3056,  
0.3197

426.4229, 0.3090,  
0.3241

■ 43.8184, 0.3048,  
0.3186

105.5486, 0.3068,  
0.3213

■ 30.5278, 0.3038,  
0.3173

134.6927, 0.3073,  
0.3219

■ 20.2395, 0.3025,  
0.3156

168.7612, 0.3077,  
0.3224

■ 12.5693, 0.3007,  
0.3133

208.1384, 0.3080,  
0.3228

■ 7.1326, 0.2982,  
0.3101

253.2088, 0.3083,  
0.3232

■ 3.5452, 0.2944,  
0.3053

304.3568, 0.3086,

■ 1.4225, 0.2879,

0.3236

0.2970

361.9667, 0.3088,  
0.3239

0.2333, 0.2360,  
0.2281

0.0000, 0.0000,  
0.0000

60.4958, 0.3056,  
0.3197

60.4958, 0.3056,  
0.3197

50.1418, 0.2894,  
0.2981

72.1321, 0.3203,  
0.3388

41.0183, 0.2718,  
0.2739

85.0850, 0.3335,  
0.3554

33.0811, 0.2531,  
0.2472

97.3355, 0.3382,  
0.3708

26.2806, 0.2337,  
0.2185

97.5325, 0.3382,  
0.3711

■ 20.5636, 0.2145,  
0.1888

■ 15.8724, 0.1963,  
0.1591

■ 12.1436, 0.1803,  
0.1312

■ 9.3064, 0.1675,  
0.1067

■ 7.2791, 0.1587,  
0.0872

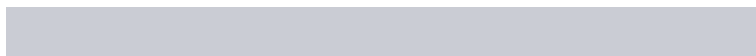
# Harmonies

## Analogous

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



60.4958, 0.3026, 0.3216



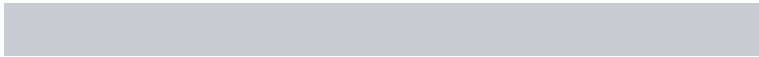
60.4958, 0.3056, 0.3197



60.4958, 0.3105, 0.3203

# Triad

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



60.4958, 0.3056, 0.3197



60.4958, 0.3233, 0.3324



60.4958, 0.3093, 0.3350

# Complementary

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



60.4958, 0.3056, 0.3197



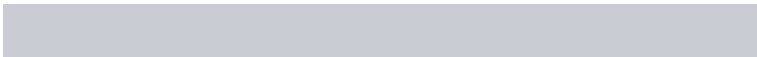
64.3265, 0.3198, 0.3381

# 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.



60.4958, 0.3149, 0.3379



60.4958, 0.3056, 0.3197



60.4958, 0.3229, 0.3364

# Square

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



60.4958, 0.3056, 0.3197



60.4958, 0.3208, 0.3276



60.4958, 0.3198, 0.3384

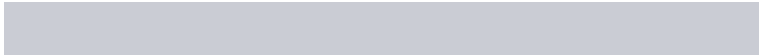


60.4958, 0.3047, 0.3304



# Rectangle

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



60.4958, 0.3056, 0.3197



60.4958, 0.3142, 0.3220



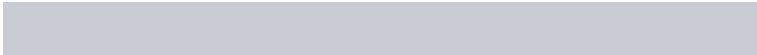
60.4958, 0.3198, 0.3384



60.4958, 0.3111, 0.3362

# Sweetspot

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



60.4984, 0.3056, 0.3197



98.2299, 0.3112, 0.3271



64.2757, 0.3069, 0.3315



21.0439, 0.3113, 0.3272



0.0000, 0.0000, 0.0000

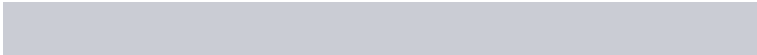


21.4041, 0.3127, 0.3290



# Same Dimension

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



60.4984, 0.3056, 0.3197



89.6788, 0.3035, 0.3169



59.9379, 0.3078, 0.3174



13.0822, 0.3027, 0.3158



4.1191, 0.1558, 0.0810



0.3681, 0.1646, 0.1126

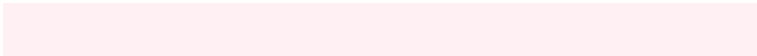


# Inverse Universe

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



60.5871, 0.3190, 0.3267



89.8631, 0.3209, 0.3260



64.9181, 0.3175, 0.3405



13.1124, 0.3217, 0.3257



8.7607, 0.6054, 0.3109

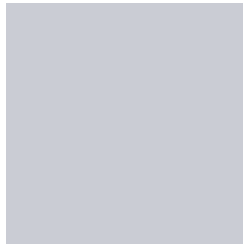


0.5405, 0.5572, 0.2843



# Previews

## White Background



This preview shows how the Yxy color 60.4958, 0.3056, 0.3197 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

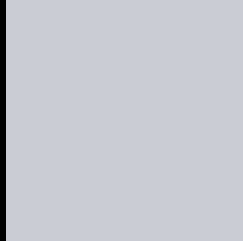
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.4958, 0.3056, 0.3197 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

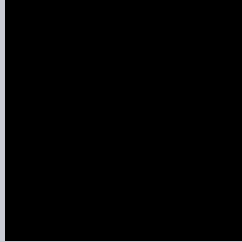
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

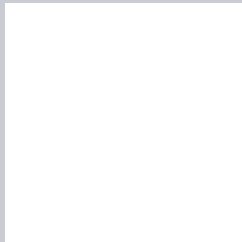
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 60.4958, 0.3056, 0.3197**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.4958, 0.3056, 0.3197.

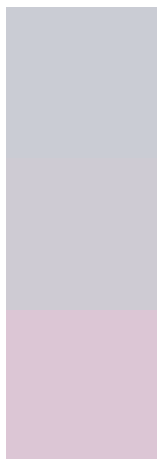


This preview shows how white text looks on a background with the Yxy color 60.4958, 0.3056, 0.3197.

# 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

60.4958, 0.3056, 0.3197

### Protanopia

60.5368, 0.3093, 0.3197

### Deuteranopia

60.4079, 0.3190, 0.3122



## Tritanopia

60.5229, 0.3015, 0.3105

# Trichromacy



## Original Color

60.4958, 0.3056, 0.3197

## Protanomaly

60.3942, 0.3086, 0.3197

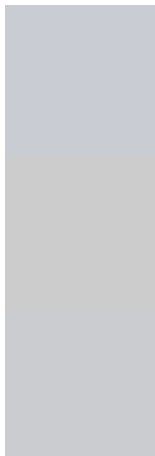
## Deuteranomaly

60.2588, 0.3134, 0.3142

## Tritanomaly

60.3662, 0.3036, 0.3139

# Monochromacy



## Original Color

60.4958, 0.3056, 0.3197

## Achromatopsia

60.3827, 0.3127, 0.3290

## Achromatomaly

60.3872, 0.3098, 0.3255

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.4958, 0.3056, 0.3197 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(202, 204, 212)` looks like.

```
.text, #text, p{  
    color:rgb(202, 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(202, 204, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 204, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 60.4958, 0.3056, 0.3197 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(202, 204, 212) }
```

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

```
.border{ border-color:rgb(202, 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(202, 204, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 204, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 204, 212);  
box-shadow:4px 4px 4px 4px rgb(202, 204,  
212) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.4958, 0.3056, 0.3197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 204, 212) }
```

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

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

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