

# Converting Colors

Yxy(56.9640, 0.3117, 0.3161)

Have a look what the booklet for  
Yxy(56.9640, 0.3117, 0.3161)  
contains.

<b>Yxy(56.9640, 0.3117, 0.3161)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(56.9640, 0.3117, 0.3161)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CDC4CF
RGB	205, 196, 207
RGB Percent	80%, 77%, 81%
CMY	0.1963, 0.2313, 0.1882
CMYK	0.01, 0.05, 0.00, 0.19
HSL	289°, 10%, 79%
HSV	289°, 5%, 81%
XYZ	56.1711, 56.9640, 67.0737
YIQ	199.9450, 1.8330, 5.3290

# Conversions

## Conversions Part 2

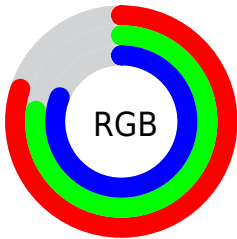
Format	Color
R <sub>Y</sub> B	205, 196, 207
Decimal	13485263
CIE Lab	80.16, 5.11, -4.38
CIE LCh	80, 6.734, 319.400
Yxy	56.9640, 0.3117, 0.3161
Android (android.graphics.Color)	4291675343 (0xFFC4DC4CF)
YUV	199.9450, 3.4781, 4.4332
Hunter-Lab	75.4745, 0.7663, 0.1415

# Details

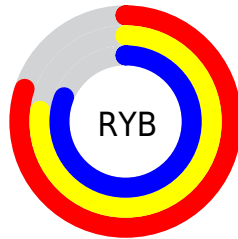
The Yxy color **56.9640, 0.3117, 0.3161** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **60.6344, 0.3137, 0.3421**, and the grayscale version is **57.6990, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7306, 0.3128, 0.3271**, and **28.2252, 0.3114, 0.3118** is the 20% darker color. If you saturate the color by 10%, you get **47.7179, 0.3094, 0.2909**, and if you desaturate by 10%, it is **67.5172, 0.3135, 0.3400**.

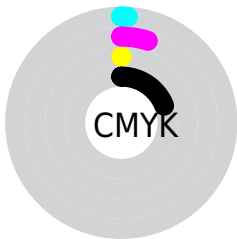
# Distribution



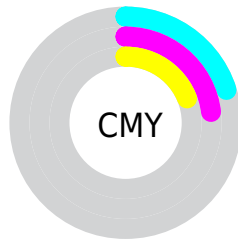
- Red (80%)
- Green (77%)
- Blue (81%)



- Red (80%)
- Yellow (77%)
- Blue (81%)



- Cyan (1%)
- Magenta (5%)
- Yellow (0%)
- Black (19%)



- Cyan (20%)
- Magenta (23%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.9640, 0.3117, 0.3161 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 56.9640, 0.3117, 0.3161 by changing the saturation by 10% instead.



■ 56.9640, 0.3117,  
0.3161

■ 56.9640, 0.3117,  
0.3161

■ 413.3144, 0.3122,  
0.3223

■ 40.9763, 0.3116,  
0.3146

■ 100.4127, 0.3119,  
0.3183

■ 28.3006, 0.3114,  
0.3128

■ 128.6424, 0.3120,  
0.3191

■ 18.5524, 0.3112,  
0.3104

■ 161.7217, 0.3120,  
0.3198

■ 11.3473, 0.3109,  
0.3072

■ 200.0349, 0.3121,  
0.3205

■ 6.3009, 0.3104,  
0.3026

■ 243.9664, 0.3121,  
0.3210

■ 3.0289, 0.3096,  
0.2957

■ 293.9005, 0.3122,

■ 1.1468, 0.3081,

0.3215

0.2838

350.2217, 0.3122,  
0.3219

0.0176, 0.2920,  
0.0364

0.0000, 0.0000,  
0.0000

56.9640, 0.3117,  
0.3161

56.9640, 0.3117,  
0.3161

47.7179, 0.3094,  
0.2909

67.5172, 0.3135,  
0.3400

39.7190, 0.3067,  
0.2648

79.4196, 0.3149,  
0.3624

32.9136, 0.3034,  
0.2386

90.7125, 0.3162,  
0.3799

27.2413, 0.2996,  
0.2131

91.3116, 0.3187,  
0.3795

■ 22.6364, 0.2953,  
0.1895

■ 91.9247, 0.3211,  
0.3791

■ 19.0262, 0.2907,  
0.1687

■ 92.5519, 0.3236,  
0.3787

■ 16.3289, 0.2858,  
0.1517

■ 93.1933, 0.3261,  
0.3784

■ 14.4498, 0.2808,  
0.1390

■ 93.8490, 0.3286,  
0.3780

■ 13.2728, 0.2759,  
0.1309

■ 94.5191, 0.3312,  
0.3776

# Harmonies

## Analogous

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



56.9640, 0.3033, 0.3140



56.9640, 0.3117, 0.3161



56.9640, 0.3205, 0.3215

# Triad

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



56.9640, 0.3117, 0.3161



56.9640, 0.3281, 0.3422



56.9640, 0.2984, 0.3288

# Complementary

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



56.9640, 0.3117, 0.3161



60.6344, 0.3137, 0.3421

# 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.



56.9640, 0.3049, 0.3367



56.9640, 0.3117, 0.3161



56.9640, 0.3221, 0.3444

# Square

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



56.9640, 0.3117, 0.3161



56.9640, 0.3300, 0.3365



56.9640, 0.3136, 0.3424



56.9640, 0.2957, 0.3212



# Rectangle

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



56.9640, 0.3117, 0.3161



56.9640, 0.3253, 0.3263



56.9640, 0.3136, 0.3424



56.9640, 0.3002, 0.3315

# Sweetspot

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



56.9664, 0.3117, 0.3161



96.6085, 0.3123, 0.3241



56.7313, 0.3047, 0.3185



20.7137, 0.3124, 0.3244



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.



56.9664, 0.3117, 0.3161



90.0847, 0.3115, 0.3142



57.1012, 0.3158, 0.3200



12.4972, 0.3114, 0.3129



8.1405, 0.2743, 0.1285



0.4848, 0.2833, 0.1334



# Inverse Universe

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



56.8360, 0.3200, 0.3266



89.8484, 0.3211, 0.3262



60.5085, 0.3098, 0.3382



12.4616, 0.3218, 0.3260



8.4593, 0.6094, 0.3131

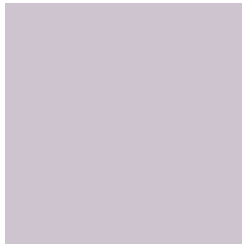


0.4840, 0.5595, 0.2856



# Previews

## White Background



This preview shows how the Yxy color 56.9640, 0.3117, 0.3161 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

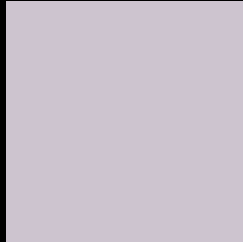
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.9640, 0.3117, 0.3161 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

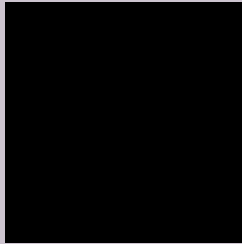
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

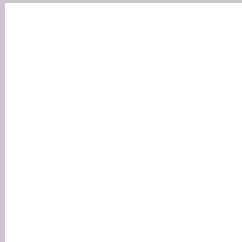
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 56.9640, 0.3117, 0.3161**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.9640, 0.3117, 0.3161.

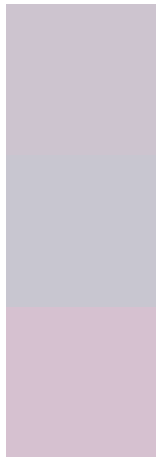


This preview shows how white text looks on a background with the Yxy color 56.9640, 0.3117, 0.3161.

# 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

56.9640, 0.3117, 0.3161

### Protanopia

57.2216, 0.3071, 0.3172

### Deuteranopia

56.9901, 0.3183, 0.3118



## Tritanopia

56.8552, 0.3097, 0.3104

# Trichromacy



## Original Color

56.9640, 0.3117, 0.3161

## Protanomaly

57.0431, 0.3086, 0.3160

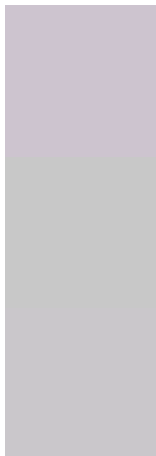
## Deuteranomaly

56.9865, 0.3159, 0.3128

## Tritanomaly

56.8052, 0.3104, 0.3115

# Monochromacy



## Original Color

56.9640, 0.3117, 0.3161

## Achromatopsia

57.7580, 0.3127, 0.3290

## Achromatomaly

57.7152, 0.3122, 0.3243

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.9640, 0.3117, 0.3161 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(205, 196, 207)` looks like.

```
.text, #text, p{  
    color:rgb(205, 196, 207)  
}
```

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(205, 196, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 196, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 56.9640, 0.3117, 0.3161 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(205, 196, 207) }
```

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

```
.border{ border-color:rgb(205, 196, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 196, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 196, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 196, 207);  
box-shadow:4px 4px 4px 4px rgb(205, 196,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.9640, 0.3117, 0.3161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 196, 207) }
```

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

```
.background{ background-color: rgb(205,  
196, 207) }
```

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