

# Converting Colors

Yxy(60.0091, 0.3085, 0.3195)

Have a look what the booklet for  
Yxy(60.0091, 0.3085, 0.3195)  
contains.

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# Color

**Yxy(59.7816, 0.3079, 0.3185)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCCAD3
RGB	204, 202, 211
RGB Percent	80%, 79%, 83%
CMY	0.1998, 0.2079, 0.1725
CMYK	0.03, 0.04, 0.00, 0.17
HSL	254°, 9%, 81%
HSV	254°, 4%, 83%
XYZ	57.7920, 59.7816, 70.1237
YIQ	203.6240, -1.6970, 3.2230

# Conversions

## Conversions Part 2

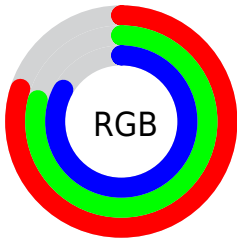
<b>Format</b>	<b>Color</b>
<b>RYB</b>	204, 202, 211
Decimal	13421267
CIELab	81.72, 2.39, -4.23
CIELCh	82, 4.860, 299.410
Yxy	59.7816, 0.3079, 0.3185
Android (android.graphics.Color)	4291611347 (0xFFCCCAD3)
YUV	203.6240, 3.6364, 0.3298
Hunter-Lab	77.3186, -1.8871, 0.3502

# Details

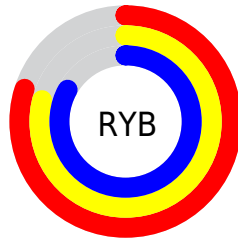
The Yxy color **59.7816, 0.3079, 0.3185** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.4009, 0.3174, 0.3394**, and the grayscale version is **60.1175, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **30.0982, 0.3063, 0.3151** is the 20% darker color. If you saturate the color by 10%, you get **48.3712, 0.2954, 0.2919**, and if you desaturate by 10%, it is **72.7908, 0.3187, 0.3423**.

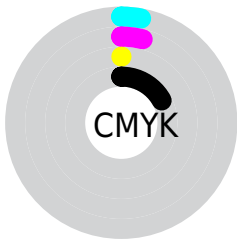
# Distribution



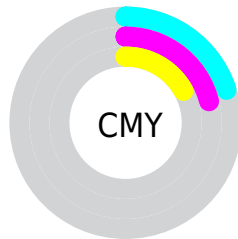
- Red (80%)
- Green (79%)
- Blue (83%)



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



- Cyan (3%)
- Magenta (4%)
- Yellow (0%)
- Black (17%)



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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.7816, 0.3079, 0.3185 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 59.7816, 0.3079, 0.3185 by changing the saturation by 10% instead.



■ 59.7816, 0.3079,  
0.3185

■ 59.7816, 0.3079,  
0.3185

423.7923, 0.3102,  
0.3235

■ 43.2426, 0.3073,  
0.3173

104.5128, 0.3087,  
0.3203

■ 30.0755, 0.3066,  
0.3158

133.4738, 0.3090,  
0.3210

■ 19.8959, 0.3057,  
0.3139

167.3442, 0.3093,  
0.3215

■ 12.3194, 0.3045,  
0.3113

206.5086, 0.3095,  
0.3220

■ 6.9616, 0.3028,  
0.3077

251.3511, 0.3097,  
0.3225

■ 3.4381, 0.3001,  
0.3022

302.2563, 0.3099,

■ 1.3645, 0.2955,

0.3229

0.2930

359.6086, 0.3101,  
0.3232

0.1903, 0.2564,  
0.2041

0.0000, 0.0000,  
0.0000

59.7816, 0.3079,  
0.3185

59.7816, 0.3079,  
0.3185

48.3712, 0.2954,  
0.2919

72.7908, 0.3187,  
0.3423

38.4900, 0.2811,  
0.2626

87.4495, 0.3279,  
0.3632

30.0745, 0.2651,  
0.2310

97.0743, 0.3373,  
0.3723

23.0541, 0.2476,  
0.1980

97.4834, 0.3388,  
0.3721

■ 17.3518, 0.2293,  
0.1650

■ 12.8834, 0.2110,  
0.1339

■ 9.5546, 0.1938,  
0.1068

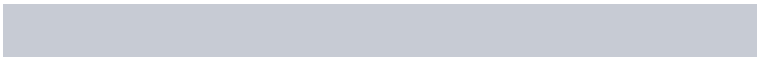
■ 7.2570, 0.1788,  
0.0858

■ 5.8600, 0.1671,  
0.0719

# Harmonies

## Analogous

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



59.7816, 0.3030, 0.3189



59.7816, 0.3079, 0.3185



59.7816, 0.3142, 0.3209

# Triad

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



59.7816, 0.3079, 0.3185



59.7816, 0.3249, 0.3359



59.7816, 0.3054, 0.3327

# Complementary

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



59.7816, 0.3079, 0.3185



64.4009, 0.3174, 0.3394

# 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.



59.7816, 0.3112, 0.3374



59.7816, 0.3079, 0.3185



59.7816, 0.3225, 0.3392

# Square

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



59.7816, 0.3079, 0.3185



59.7816, 0.3240, 0.3308



59.7816, 0.3175, 0.3398



59.7816, 0.3015, 0.3270



# Rectangle

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



59.7816, 0.3079, 0.3185



59.7816, 0.3182, 0.3237



59.7816, 0.3175, 0.3398



59.7816, 0.3072, 0.3344

# Sweetspot

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



59.7842, 0.3079, 0.3185



98.0130, 0.3116, 0.3266



62.8845, 0.3061, 0.3267



20.9998, 0.3117, 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.



59.7842, 0.3079, 0.3185



90.3174, 0.3070, 0.3165



60.4140, 0.3112, 0.3186



12.4912, 0.3063, 0.3150



3.2624, 0.1630, 0.0671



0.2191, 0.1818, 0.0775



# Inverse Universe

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



60.6852, 0.3147, 0.3210



91.9461, 0.3151, 0.3196



63.7691, 0.3141, 0.3395



12.7449, 0.3153, 0.3185



9.9608, 0.3885, 0.1914

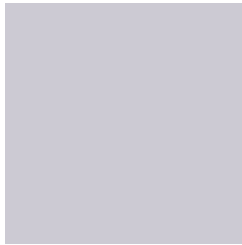


0.5686, 0.3736, 0.1832



# Previews

## White Background



This preview shows how the Yxy color 59.7816, 0.3079, 0.3185 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

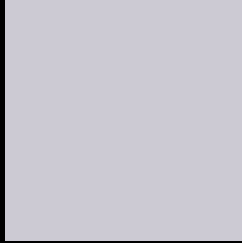
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.7816, 0.3079, 0.3185 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

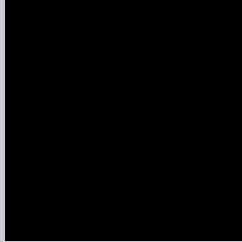
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

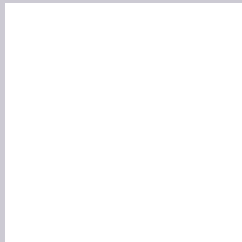
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 59.7816, 0.3079, 0.3185**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.7816, 0.3079, 0.3185.

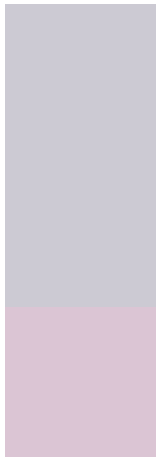


This preview shows how white text looks on a background with the Yxy color 59.7816, 0.3079, 0.3185.

# 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

59.7816, 0.3079, 0.3185

### Protanopia

59.7816, 0.3079, 0.3185

### Deuteranopia

59.7460, 0.3190, 0.3121



## Tritanopia

59.7622, 0.3044, 0.3105

# Trichromacy



## Original Color

59.7816, 0.3079, 0.3185

## Protanomaly

59.7816, 0.3079, 0.3185

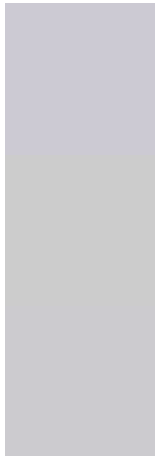
## Deuteranomaly

59.8965, 0.3150, 0.3142

## Tritanomaly

59.6587, 0.3058, 0.3128

# Monochromacy



## Original Color

59.7816, 0.3079, 0.3185

## Achromatopsia

60.3827, 0.3127, 0.3290

## Achromatomaly

60.0542, 0.3106, 0.3243

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.7816, 0.3079, 0.3185 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(204, 202, 211)` looks like.

```
.text, #text, p{  
    color:rgb(204, 202, 211)  
}
```

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(204, 202, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 202, 211) }
```

## Border

The CSS property to change the border of an element to Yxy 59.7816, 0.3079, 0.3185 is called "border". The border property can be set on classes, ids or directly on the HTML element.

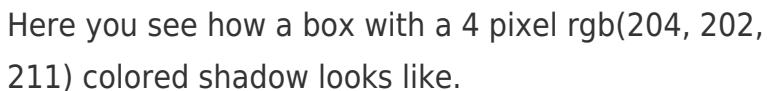
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(204, 202, 211) }
```

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

```
.border{ border-color:rgb(204, 202, 211) }
```

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



Here you see how a box with a 4 pixel `rgb(204, 202, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(204, 202, 211); -webkit-box-shadow:4px 4px 4px 4px rgb(204, 202, 211); box-shadow:4px 4px 4px 4px rgb(204, 202, 211) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.7816, 0.3079, 0.3185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 202, 211) }
```

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

```
.background{ background-color: rgb(204,  
202, 211) }
```

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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