

# Converting Colors

Yxy(59.4896, 0.3144, 0.3335)

Have a look what the booklet for  
Yxy(59.4896, 0.3144, 0.3335)  
contains.

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# Color

**Yxy(59.3919, 0.3148, 0.3337)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CACBC7
RGB	202, 203, 199
RGB Percent	79%, 80%, 78%
CMY	0.2078, 0.2039, 0.2195
CMYK	0.00, 0.00, 0.02, 0.20
HSL	75°, 4%, 79%
HSV	75°, 2%, 80%
XYZ	56.0281, 59.3919, 62.5599
YIQ	202.2450, 0.6880, -1.4560

# Conversions

## Conversions Part 2

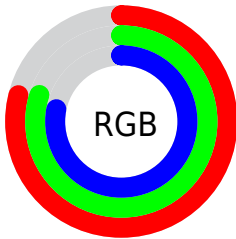
Format	Color
<b>RYB</b>	199, 203, 200
Decimal	13290439
CIELab	81.51, -1.05, 1.85
CIElCh	82, 2.124, 119.628
Yxy	59.3919, 0.3148, 0.3337
Android (android.graphics.Color)	4291480519 (0xFFCACBC7)
YUV	202.2450, -1.5998, -0.2149
Hunter-Lab	77.0661, -5.0939, 5.8165

# Details

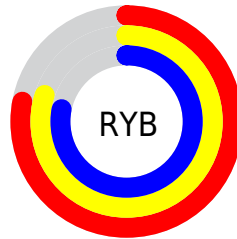
The Yxy color **59.3919, 0.3148, 0.3337** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **57.4515, 0.3106, 0.3243**, and the grayscale version is **59.2373, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **29.8351, 0.3155, 0.3353** is the 20% darker color. If you saturate the color by 10%, you get **57.8275, 0.3256, 0.3587**, and if you desaturate by 10%, it is **61.1098, 0.3043, 0.3103**.

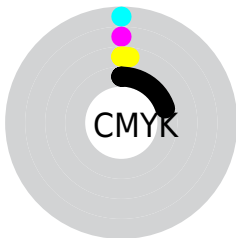
# Distribution



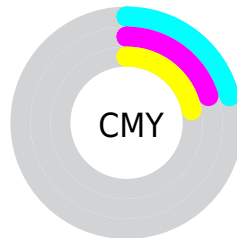
- Red (79%)
- Green (80%)
- Blue (78%)



- Red (78%)
- Yellow (80%)
- Blue (78%)



- Cyan (0%)
- Magenta (0%)
- Yellow (2%)
- Black (20%)



- Cyan (21%)
- Magenta (20%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.3919, 0.3148, 0.3337 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 59.3919, 0.3148, 0.3337 by changing the saturation by 10% instead.



■ 59.3919, 0.3148,  
0.3337

■ 59.3919, 0.3148,  
0.3337

422.3527, 0.3138,  
0.3314

■ 42.9287, 0.3150,  
0.3342

103.9470, 0.3144,  
0.3329

■ 29.8292, 0.3153,  
0.3349

132.8077, 0.3143,  
0.3326

■ 19.7090, 0.3157,  
0.3358

166.5697, 0.3142,  
0.3323

■ 12.1837, 0.3162,  
0.3370

205.6174, 0.3141,  
0.3321

■ 6.8689, 0.3170,  
0.3387

250.3351, 0.3140,  
0.3319

■ 3.3802, 0.3181,  
0.3413

301.1073, 0.3139,

■ 1.3333, 0.3200,

0.3317

0.3458

358.3184, 0.3139,  
0.3316

0.1668, 0.3773,  
0.4736

0.0000, 0.0000,  
0.0000

59.3919, 0.3148,  
0.3337

59.3919, 0.3148,  
0.3337

57.8275, 0.3256,  
0.3587

61.1098, 0.3043,  
0.3103

56.4038, 0.3365,  
0.3849

62.9783, 0.2943,  
0.2888

55.1178, 0.3470,  
0.4118

64.6833, 0.2880,  
0.2738

53.9637, 0.3568,  
0.4385

65.4606, 0.2914,  
0.2744

■ 52.9350, 0.3654,  
0.4640

■ 66.2612, 0.2950,  
0.2749

■ 52.0249, 0.3721,  
0.4873

■ 67.0855, 0.2985,  
0.2755

■ 51.2256, 0.3766,  
0.5071

■ 67.9335, 0.3021,  
0.2761

■ 50.5283, 0.3786,  
0.5227

■ 68.8055, 0.3057,  
0.2767

■ 49.9223, 0.3780,  
0.5336

■ 69.7017, 0.3093,  
0.2772

# Harmonies

## Analogous

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



59.3919, 0.3170, 0.3335



59.3919, 0.3148, 0.3337



59.3919, 0.3121, 0.3326

# Triad

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



59.3919, 0.3148, 0.3337



59.3919, 0.3074, 0.3259



59.3919, 0.3160, 0.3274

# Complementary

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



59.3919, 0.3148, 0.3337



57.4515, 0.3106, 0.3243

# 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.



59.3919, 0.3134, 0.3254



59.3919, 0.3148, 0.3337



59.3919, 0.3085, 0.3246

# Square

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



59.3919, 0.3148, 0.3337



59.3919, 0.3078, 0.3282



59.3919, 0.3106, 0.3244



59.3919, 0.3177, 0.3299



# Rectangle

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



59.3919, 0.3148, 0.3337



59.3919, 0.3103, 0.3314



59.3919, 0.3106, 0.3244



59.3919, 0.3152, 0.3267

# Sweetspot

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



59.3945, 0.3148, 0.3337



99.7180, 0.3138, 0.3314



58.1082, 0.3158, 0.3301



21.3467, 0.3137, 0.3313



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.



59.3945, 0.3148, 0.3337



99.4386, 0.3149, 0.3339



59.1264, 0.3133, 0.3337



13.2176, 0.3147, 0.3335



31.5383, 0.3767, 0.5391



1.6611, 0.3855, 0.5321



# Inverse Universe

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



57.4515, 0.3106, 0.3243



96.0671, 0.3105, 0.3241



57.7195, 0.3121, 0.3243



12.8017, 0.3107, 0.3245



3.2112, 0.1647, 0.0681

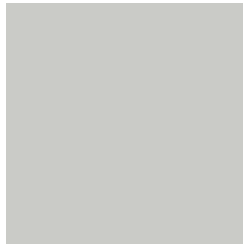


0.2023, 0.1855, 0.0795



# Previews

## White Background



This preview shows how the Yxy color 59.3919, 0.3148, 0.3337 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

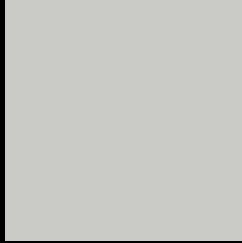
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.3919, 0.3148, 0.3337 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

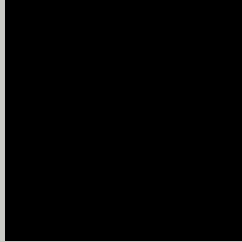
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

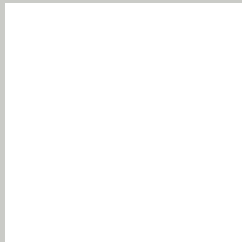
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 59.3919, 0.3148, 0.3337**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.3919, 0.3148, 0.3337.



This preview shows how white text looks on a background with the Yxy color 59.3919, 0.3148, 0.3337.

# 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

59.3919, 0.3148, 0.3337

### Protanopia

59.5837, 0.3195, 0.3337

### Deuteranopia

59.3380, 0.3314, 0.3245



## Tritanopia

59.2456, 0.3052, 0.3105

# Trichromacy



## Original Color

59.3919, 0.3148, 0.3337

## Protanomaly

59.2974, 0.3179, 0.3337

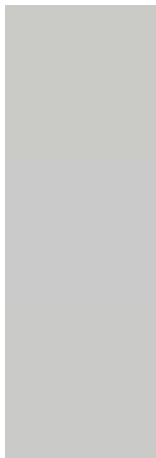
## Deuteranomaly

59.4641, 0.3246, 0.3279

## Tritanomaly

59.2638, 0.3086, 0.3185

# Monochromacy



## Original Color

59.3919, 0.3148, 0.3337

## Achromatopsia

59.0619, 0.3127, 0.3290

## Achromatomaly

59.0147, 0.3134, 0.3302

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.3919, 0.3148, 0.3337 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, 203, 199)` looks like.

```
.text, #text, p{  
    color:rgb(202, 203, 199)  
}
```

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, 203, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 203, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 59.3919, 0.3148, 0.3337 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, 203, 199) }
```

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

```
.border{ border-color:rgb(202, 203, 199) }
```

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

Here you see how a box with a 4 pixel rgb(202, 203, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 203, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 203, 199);  
box-shadow:4px 4px 4px 4px rgb(202, 203,  
199) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.3919, 0.3148, 0.3337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 203, 199) }
```

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

```
.background{ background-color: rgb(202,  
203, 199) }
```

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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