

# Converting Colors

$Yxy(59.8013, 0.3374, 0.3957)$

Have a look what the booklet for  
Yxy(59.8013, 0.3374, 0.3957)  
contains.

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# Color

**Yxy(59.8309, 0.3376, 0.3958)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1D29C
RGB	193, 210, 156
RGB Percent	76%, 82%, 61%
CMY	0.2432, 0.1764, 0.3883
CMYK	0.08, 0.00, 0.26, 0.18
HSL	79°, 38%, 72%
HSV	79°, 26%, 82%
XYZ	51.0331, 59.8309, 40.3004
YIQ	198.7610, 7.2020, -20.3980

# Conversions

## Conversions Part 2

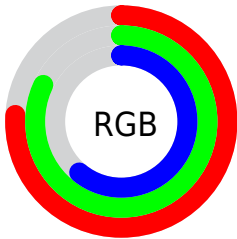
<b>Format</b>	<b>Color</b>
<b>RYB</b>	156, 210, 173
Decimal	12702364
CIELab	81.75, -14.93, 24.93
CIELCh	82, 29.060, 120.918
Yxy	59.8309, 0.3376, 0.3958
Android (android.graphics.Color)	4290892444 (0xFFC1D29C)
YUV	198.7610, -21.0812, -5.0524
Hunter-Lab	77.3504, -17.5952, 23.2545

# Details

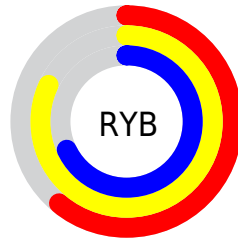
The Yxy color **59.8309, 0.3376, 0.3958** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.3093, 0.2828, 0.2589**, and the grayscale version is **57.0854, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5471, 0.3355, 0.3725**, and **30.2654, 0.3433, 0.4151** is the 20% darker color. If you saturate the color by 10%, you get **58.3318, 0.3467, 0.4235**, and if you desaturate by 10%, it is **61.4973, 0.3280, 0.3688**.

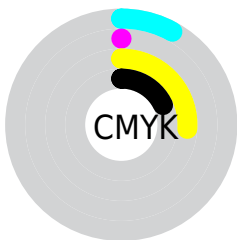
# Distribution



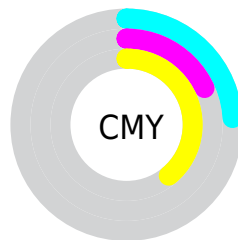
- Red (76%)
- Green (82%)
- Blue (61%)



- Red (61%)
- Yellow (82%)
- Blue (68%)



- Cyan (8%)
- Magenta (0%)
- Yellow (26%)
- Black (18%)




- Cyan (24%)
- Magenta (18%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.8309, 0.3376, 0.3958 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 59.8309, 0.3376, 0.3958 by changing the saturation by 10% instead.





 59.8309, 0.3376,  
0.3958


 59.8309, 0.3376,  
0.3958


423.9742, 0.3263,  
0.3630

 43.2823, 0.3401,  
0.4038

 104.5843, 0.3337,  
0.3840

 30.1067, 0.3431,  
0.4139


 133.5580, 0.3322,  
0.3796

 19.9196, 0.3467,  
0.4270


167.4422, 0.3309,  
0.3758

 12.3366, 0.3512,  
0.4448

206.6212, 0.3297,  
0.3725

 6.9734, 0.3565,  
0.4701

251.4795, 0.3287,  
0.3697

 3.4454, 0.3620,  
0.5084

302.4016, 0.3278,

 1.3685, 0.3892,

0.3672

0.6108

359.7716, 0.3270,  
0.3649

0.1933, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

59.8309, 0.3376,  
0.3958

59.8309, 0.3376,  
0.3958

58.3318, 0.3467,  
0.4235

61.4973, 0.3280,  
0.3688

56.9852, 0.3549,  
0.4509

63.3293, 0.3182,  
0.3430

55.7863, 0.3615,  
0.4770

65.3358, 0.3087,  
0.3189

54.7270, 0.3662,  
0.5005

67.5222, 0.2994,  
0.2968

 53.7982, 0.3686,  
0.5202


 69.5024, 0.2944,  
0.2823


 52.9893, 0.3684,  
0.5353


 70.5943, 0.2990,  
0.2829

 52.2874, 0.3658,  
0.5455

 71.7280, 0.3037,  
0.2836

 52.0104, 0.3643,  
0.5489

 72.9040, 0.3083,  
0.2842

 74.1227, 0.3130,  
0.2849

# Harmonies

## Analogous

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



59.8309, 0.3694, 0.3899



59.8309, 0.3376, 0.3958



59.8309, 0.3003, 0.3808

# Triad

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



59.8309, 0.3376, 0.3958



59.8309, 0.2440, 0.2843



59.8309, 0.3582, 0.3086

# Complementary

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



59.8309, 0.3376, 0.3958



37.3093, 0.2828, 0.2589

# 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.



59.8309, 0.3219, 0.2842



59.8309, 0.3376, 0.3958



59.8309, 0.2572, 0.2697

# Square

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



59.8309, 0.3376, 0.3958



59.8309, 0.2477, 0.3129



59.8309, 0.2850, 0.2701



59.8309, 0.3824, 0.3386



# Rectangle

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



59.8309, 0.3376, 0.3958



59.8309, 0.2775, 0.3608



59.8309, 0.2850, 0.2701



59.8309, 0.3469, 0.2995

# Sweetspot

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



59.8335, 0.3376, 0.3958



97.5554, 0.3205, 0.3490



45.6799, 0.3621, 0.3492



20.7867, 0.3220, 0.3528



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

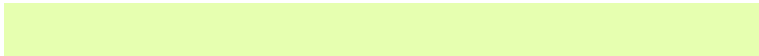


# Same Dimension

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



59.8335, 0.3376, 0.3958



91.4878, 0.3428, 0.4113



56.6914, 0.3173, 0.4002



13.6029, 0.3218, 0.3523



31.7767, 0.3651, 0.5483



1.8180, 0.3753, 0.5402



# Inverse Universe

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



37.3093, 0.2828, 0.2589



50.6514, 0.2749, 0.2416



40.5936, 0.3059, 0.2635



11.5960, 0.3030, 0.3053



3.5971, 0.1727, 0.0725



0.2432, 0.1933, 0.0839



# Previews

## White Background



This preview shows how the Yxy color 59.8309, 0.3376, 0.3958 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

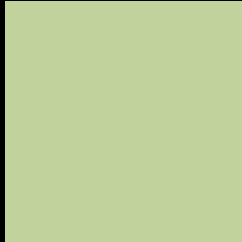
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.8309, 0.3376, 0.3958 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

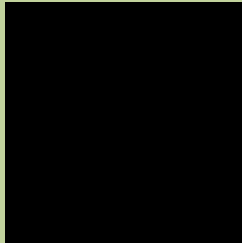
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

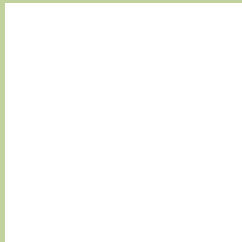
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 59.8309, 0.3376, 0.3958**

## Background



This preview shows how black text looks on a background with the Yxy color 59.8309, 0.3376, 0.3958.

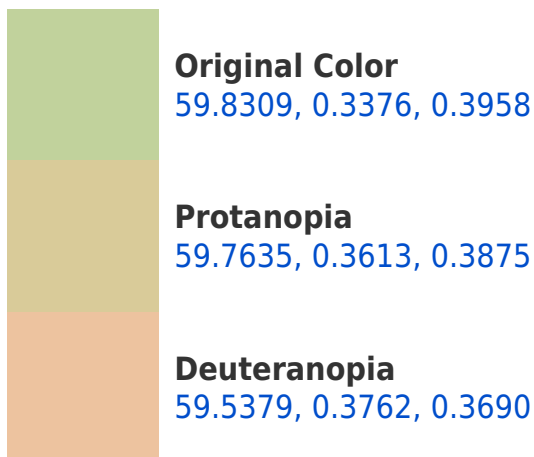


This preview shows how white text looks on a background with the Yxy color 59.8309, 0.3376, 0.3958.

# 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

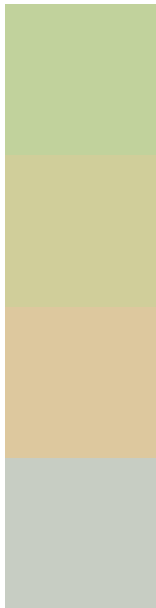




## Tritanopia

59.8596, 0.3015, 0.3105

# Trichromacy



## Original Color

59.8309, 0.3376, 0.3958

## Protanomaly

59.8856, 0.3522, 0.3912

## Deuteranomaly

59.1493, 0.3618, 0.3778

## Tritanomaly

59.7449, 0.3152, 0.3410

# Monochromacy



## Original Color

59.8309, 0.3376, 0.3958

## Achromatopsia

57.1125, 0.3127, 0.3290

## Achromatomaly

58.0011, 0.3225, 0.3534

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.8309, 0.3376, 0.3958 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(193, 210, 156)` looks like.

```
.text, #text, p{  
    color:rgb(193, 210, 156)  
}
```

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(193, 210, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 210, 156) }
```

## Border

The CSS property to change the border of an element to Yxy 59.8309, 0.3376, 0.3958 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(193, 210, 156) }
```

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

```
.border{ border-color:rgb(193, 210, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 210, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 210, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 210, 156);  
box-shadow:4px 4px 4px 4px rgb(193, 210,  
156) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.8309, 0.3376, 0.3958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 210, 156) }
```

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

```
.background{ background-color: rgb(193,  
210, 156) }
```

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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