

# Converting Colors

$Yxy(57.9243, 0.3396, 0.3851)$

Have a look what the booklet for  
Yxy(57.9243, 0.3396, 0.3851)  
contains.

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# Color

**Yxy(58.0362, 0.3397, 0.3857)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C5CD9F
RGB	197, 205, 159
RGB Percent	77%, 80%, 62%
CMY	0.2275, 0.1961, 0.3764
CMYK	0.04, 0.00, 0.22, 0.20
HSL	70°, 32%, 71%
HSV	70°, 22%, 80%
XYZ	51.1146, 58.0362, 41.3190
YIQ	197.3640, 9.9980, -16.0020

# Conversions

## Conversions Part 2

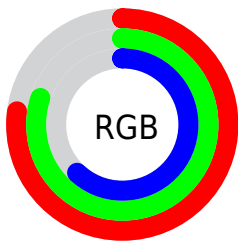
<b>Format</b>	<b>Color</b>
<b>RYB</b>	159, 205, 167
Decimal	12963231
CIELab	80.76, -10.46, 22.03
CIELCh	81, 24.386, 115.400
Yxy	58.0362, 0.3397, 0.3857
Android (android.graphics.Color)	4291153311 (0xFFC5CD9F)
YUV	197.3640, -18.9135, -0.3192
Hunter-Lab	76.1815, -13.5516, 21.1696

# Details

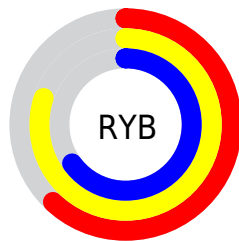
The Yxy color **58.0362, 0.3397, 0.3857** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.4326, 0.2818, 0.2679**, and the grayscale version is **56.1797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4459, 0.3363, 0.3692**, and **29.0344, 0.3466, 0.4017** is the 20% darker color. If you saturate the color by 10%, you get **56.9081, 0.3515, 0.4120**, and if you desaturate by 10%, it is **59.2990, 0.3276, 0.3598**.

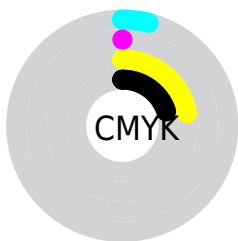
# Distribution



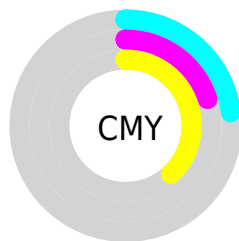
- Red (77%)
- Green (80%)
- Blue (62%)



- Red (62%)
- Yellow (80%)
- Blue (65%)



- Cyan (4%)
- Magenta (0%)
- Yellow (22%)
- Black (20%)




- Cyan (23%)
- Magenta (20%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.0362, 0.3397, 0.3857 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 58.0362, 0.3397, 0.3857 by changing the saturation by 10% instead.



 58.0362, 0.3397,  
0.3857

 58.0362, 0.3397,  
0.3857


417.3208, 0.3271,  
0.3579

 41.8378, 0.3426,  
0.3925


 101.9756, 0.3353,  
0.3757

 28.9743, 0.3461,  
0.4010


 130.4853, 0.3336,  
0.3719

 19.0614, 0.3506,  
0.4122


163.8675, 0.3321,  
0.3687

 11.7146, 0.3562,  
0.4273

202.5067, 0.3309,  
0.3660

 6.5497, 0.3636,  
0.4488

246.7873, 0.3297,  
0.3635

 3.1821, 0.3729,  
0.4815

297.0935, 0.3287,

 1.2275, 0.4168,

0.3614

0.5832

353.8099, 0.3279,  
0.3596

0.0840, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

58.0362, 0.3397,  
0.3857

58.0362, 0.3397,  
0.3857

56.9081, 0.3515,  
0.4120

59.2990, 0.3276,  
0.3598

55.9010, 0.3626,  
0.4378

60.6941, 0.3156,  
0.3349

55.0111, 0.3723,  
0.4620

62.2294, 0.3040,  
0.3114

54.2314, 0.3802,  
0.4838

63.9097, 0.2929,  
0.2895

■ 53.5541, 0.3859,  
0.5019

■ 65.3121, 0.2866,  
0.2758

■ 52.9701, 0.3890,  
0.5157

■ 65.8587, 0.2890,  
0.2762

■ 52.4688, 0.3895,  
0.5250

■ 66.4173, 0.2915,  
0.2765

■ 52.1298, 0.3886,  
0.5296

■ 66.9878, 0.2940,  
0.2769

■ 67.5703, 0.2965,  
0.2773

# Harmonies

## Analogous

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



58.0362, 0.3647, 0.3784



58.0362, 0.3397, 0.3857



58.0362, 0.3083, 0.3760

# Triad

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



58.0362, 0.3397, 0.3857



58.0362, 0.2534, 0.2950



58.0362, 0.3462, 0.3073

# Complementary

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



58.0362, 0.3397, 0.3857



37.4326, 0.2818, 0.2679

# Split Complementary

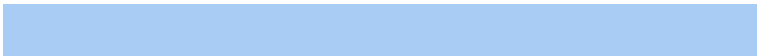
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



58.0362, 0.3147, 0.2876



58.0362, 0.3397, 0.3857



58.0362, 0.2622, 0.2797

# Square

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



58.0362, 0.3397, 0.3857



58.0362, 0.2593, 0.3211



58.0362, 0.2841, 0.2775



58.0362, 0.3690, 0.3327



# Rectangle

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



58.0362, 0.3397, 0.3857



58.0362, 0.2880, 0.3609



58.0362, 0.2841, 0.2775



58.0362, 0.3362, 0.2999

# Sweetspot

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



58.0388, 0.3397, 0.3857



98.3177, 0.3211, 0.3463



43.0073, 0.3561, 0.3388



21.0141, 0.3219, 0.3478



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

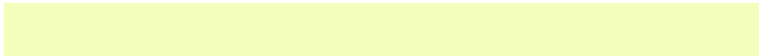


# Same Dimension

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



58.0388, 0.3397, 0.3857



94.1253, 0.3456, 0.3986



55.2090, 0.3215, 0.3891



12.9939, 0.3239, 0.3521



32.4872, 0.3891, 0.5293



1.7027, 0.3953, 0.5243



# Inverse Universe

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



37.4326, 0.2818, 0.2679



54.4279, 0.2738, 0.2527



40.1185, 0.3015, 0.2713



10.9365, 0.3009, 0.3052



3.0038, 0.1583, 0.0646



0.1846, 0.1757, 0.0742



# Previews

## White Background



This preview shows how the Yxy color 58.0362, 0.3397, 0.3857 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

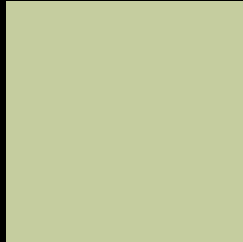
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.0362, 0.3397, 0.3857 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

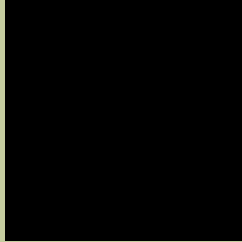
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

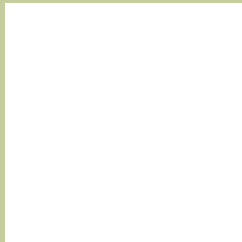
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.0362, 0.3397, 0.3857**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.0362, 0.3397, 0.3857.



This preview shows how white text looks on a background with the Yxy color 58.0362, 0.3397, 0.3857.

# 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

58.0362, 0.3397, 0.3857

### Protanopia

57.8890, 0.3558, 0.3801

### Deuteranopia

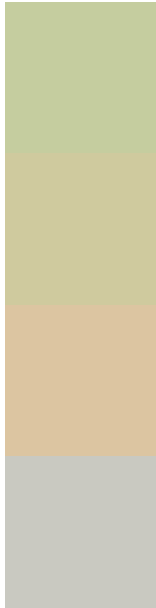
57.6315, 0.3714, 0.3629



## Tritanopia

58.0296, 0.3066, 0.3115

# Trichromacy



**Original Color**

58.0362, 0.3397, 0.3857

**Protanomaly**

57.9751, 0.3494, 0.3821

**Deuteranomaly**

57.7214, 0.3595, 0.3711

**Tritanomaly**

58.0411, 0.3185, 0.3386

# Monochromacy



**Original Color**

58.0362, 0.3397, 0.3857

**Achromatopsia**

55.8340, 0.3127, 0.3290

**Achromatomaly**

56.5978, 0.3228, 0.3498

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.0362, 0.3397, 0.3857 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(197, 205, 159)` looks like.

```
.text, #text, p{  
    color:rgb(197, 205, 159)  
}
```

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(197, 205, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 205, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 58.0362, 0.3397, 0.3857 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(197, 205, 159) }
```

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

```
.border{ border-color:rgb(197, 205, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 205, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 205, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 205, 159); box-shadow:4px 4px 4px 4px rgb(197, 205, 159) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.0362, 0.3397, 0.3857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 205, 159) }
```

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

```
.background{ background-color: rgb(197,  
205, 159) }
```

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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