

# Converting Colors

$Yxy(58.9330, 0.3576, 0.4064)$

Have a look what the booklet for  
Yxy(58.9330, 0.3576, 0.4064)  
contains.

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**Color**

**Yxy(58.9330, 0.3576, 0.4064)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCCE8E
RGB	204, 206, 142
RGB Percent	80%, 81%, 56%
CMY	0.2000, 0.1921, 0.4432
CMYK	0.01, 0.00, 0.31, 0.19
HSL	62°, 40%, 68%
HSV	62°, 31%, 81%
XYZ	51.8564, 58.9330, 34.2229
YIQ	198.1060, 19.3520, -20.3280

# Conversions

## Conversions Part 2

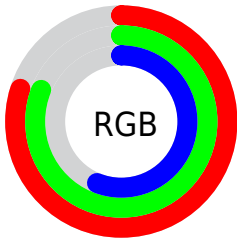
Format	Color
<a href="#">RYB</a>	<a href="#">142, 206, 144</a>
Decimal	<a href="#">13422222</a>
CIELab	<a href="#">81.25, -10.64, 31.70</a>
CIElCh	<a href="#">81, 33.436, 108.554</a>
Yxy	<a href="#">58.9330, 0.3576, 0.4064</a>
Android (android.graphics.Color)	<a href="#">4291612302 (0xFFCCCE8E)</a>
YUV	<a href="#">198.1060, -27.6603, 5.1690</a>
Hunter-Lab	<a href="#">76.7678, -13.7676, 27.3062</a>

# Details

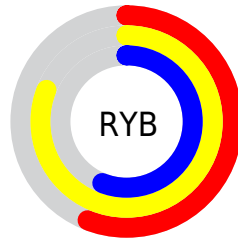
The Yxy color **58.9330, 0.3576, 0.4064** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **29.7216, 0.2596, 0.2388**, and the grayscale version is **56.7035, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7655, 0.3478, 0.3870**, and **29.6014, 0.3677, 0.4267** is the 20% darker color. If you saturate the color by 10%, you get **58.2827, 0.3714, 0.4305**, and if you desaturate by 10%, it is **59.7033, 0.3431, 0.3813**.

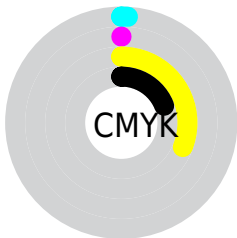
# Distribution



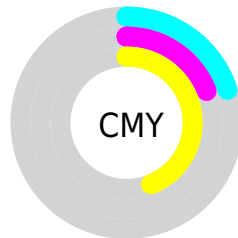
- Red (80%)
- Green (81%)
- Blue (56%)



- Red (56%)
- Yellow (81%)
- Blue (56%)



- Cyan (1%)
- Magenta (0%)
- Yellow (31%)
- Black (19%)




- Cyan (20%)
- Magenta (19%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.9330, 0.3576, 0.4064 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 58.9330, 0.3576, 0.4064 by changing the saturation by 10% instead.



 58.9330, 0.3576,  
0.4064


 58.9330, 0.3576,  
0.4064


420.6536, 0.3368,  
0.3687

 42.5592, 0.3622,  
0.4154


 103.2803, 0.3504,  
0.3930

 29.5394, 0.3678,  
0.4266


 132.0225, 0.3476,  
0.3879

 19.4892, 0.3747,  
0.4410


165.6564, 0.3452,  
0.3835

 12.0243, 0.3832,  
0.4601

204.5663, 0.3431,  
0.3798

 6.7602, 0.3933,  
0.4860

249.1365, 0.3412,  
0.3765

 3.3126, 0.4120,  
0.5324

299.7516, 0.3396,

 1.2970, 0.4169,

0.3736

0.5831

356.7958, 0.3381,  
0.3710

■ 0.1389, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.9330, 0.3576,  
0.4064

■ 58.9330, 0.3576,  
0.4064

■ 58.2827, 0.3714,  
0.4305

■ 59.7033, 0.3431,  
0.3813

■ 57.7382, 0.3840,  
0.4528


■ 60.5915, 0.3285,  
0.3561

■ 57.2951, 0.3948,  
0.4721

■ 61.6057, 0.3142,  
0.3316

■ 56.9458, 0.4033,  
0.4877


■ 62.7510, 0.3005,  
0.3082


 56.6815, 0.4092,  
0.4991


 64.0321, 0.2876,  
0.2862

 56.4915, 0.4126,  
0.5062

 64.7535, 0.2819,  
0.2762

 56.3680, 0.4139,  
0.5096

 64.8466, 0.2823,  
0.2762

 64.9399, 0.2827,  
0.2763

 65.0337, 0.2832,  
0.2764

# Harmonies

## Analogous

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



58.9330, 0.3887, 0.3901



58.9330, 0.3576, 0.4064



58.9330, 0.3157, 0.3997

# Triad

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



58.9330, 0.3576, 0.4064



58.9330, 0.2334, 0.2889



58.9330, 0.3489, 0.2929

# Complementary

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



58.9330, 0.3576, 0.4064



29.7216, 0.2596, 0.2388

# 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.



58.9330, 0.3049, 0.2695



58.9330, 0.3576, 0.4064



58.9330, 0.2406, 0.2655

# Square

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



58.9330, 0.3576, 0.4064



58.9330, 0.2453, 0.3268



58.9330, 0.2658, 0.2594



58.9330, 0.3844, 0.3250



# Rectangle

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



58.9330, 0.3576, 0.4064



58.9330, 0.2876, 0.3814



58.9330, 0.2658, 0.2594



58.9330, 0.3344, 0.2838

# Sweetspot

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



58.9357, 0.3576, 0.4064



98.4739, 0.3257, 0.3512



34.7324, 0.3823, 0.3306



21.0281, 0.3278, 0.3549



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.



58.9357, 0.3576, 0.4064



94.7884, 0.3665, 0.4220



54.9720, 0.3321, 0.4133



13.0782, 0.3261, 0.3519



34.7165, 0.4140, 0.5095



1.7967, 0.4151, 0.5086



# Inverse Universe

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



29.7216, 0.2596, 0.2388



40.4360, 0.2466, 0.2169



32.9157, 0.2870, 0.2454



10.8604, 0.2987, 0.3051



2.7773, 0.1511, 0.0606



0.1492, 0.1548, 0.0626



# Previews

## White Background



This preview shows how the Yxy color 58.9330, 0.3576, 0.4064 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 58.9330, 0.3576, 0.4064 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

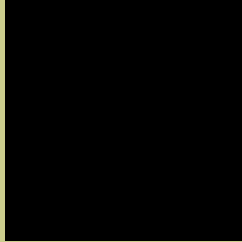
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.9330, 0.3576, 0.4064**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.9330, 0.3576, 0.4064.



This preview shows how white text looks on a background with the Yxy color 58.9330, 0.3576, 0.4064.

# 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

58.9330, 0.3576, 0.4064

### Protanopia

59.0399, 0.3722, 0.4013

### Deuteranopia

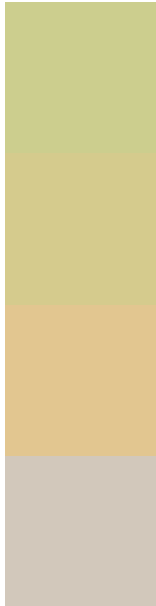
58.5350, 0.3901, 0.3820



## Tritanopia

58.8827, 0.3136, 0.3108

# Trichromacy



## Original Color

58.9330, 0.3576, 0.4064

## Protanomaly

58.7811, 0.3669, 0.4023

## Deuteranomaly

58.5705, 0.3776, 0.3908

## Tritanomaly

58.5980, 0.3303, 0.3444

# Monochromacy



## Original Color

58.9330, 0.3576, 0.4064

## Achromatopsia

56.4712, 0.3127, 0.3290

## Achromatomaly

57.2670, 0.3288, 0.3570

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.9330, 0.3576, 0.4064 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, 206, 142)` looks like.

```
.text, #text, p{  
    color:rgb(204, 206, 142)  
}
```

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, 206, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 206, 142) }
```

## Border

The CSS property to change the border of an element to Yxy 58.9330, 0.3576, 0.4064 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, 206, 142) }
```

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

```
.border{ border-color:rgb(204, 206, 142) }
```

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

Here you see how a box with a 4 pixel rgb(204, 206, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 206, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 206, 142);  
box-shadow:4px 4px 4px 4px rgb(204, 206,  
142) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.9330, 0.3576, 0.4064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 206, 142) }
```

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

```
.background{ background-color: rgb(204,  
206, 142) }
```

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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