

# Converting Colors

$Yxy(38.1869, 0.3580, 0.3165)$

Have a look what the booklet for  
Yxy(38.1869, 0.3580, 0.3165)  
contains.

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# **Color**

**Yxy(38.1869, 0.3580, 0.3165)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CE98A2
RGB	206, 152, 162
RGB Percent	81%, 60%, 64%
CMY	0.1923, 0.4038, 0.3647
CMYK	0.00, 0.26, 0.21, 0.19
HSL	349°, 35%, 70%
HSV	349°, 26%, 81%
XYZ	43.1940, 38.1869, 39.2728
YIQ	169.2860, 28.9740, 14.5580

# Conversions

## Conversions Part 2

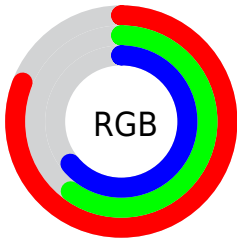
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	206, 152, 162
Decimal	13539490
CIE Lab	68.16, 21.66, 2.73
CIE LCh	68, 21.835, 7.193
Yxy	38.1869, 0.3580, 0.3165
Android (android.graphics.Color)	4291729570 (0xFFCE98A2)
YUV	169.2860, -3.5920, 32.1982
Hunter-Lab	61.7956, 16.6262, 5.5764

# Details

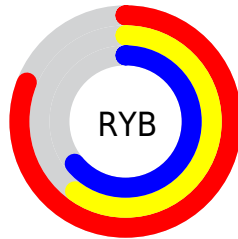
The Yxy color **38.1869, 0.3580, 0.3165** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **54.7852, 0.2808, 0.3420**, and the grayscale version is **39.8324, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.8954, 0.3422, 0.3189**, and **17.0125, 0.3732, 0.3138** is the 20% darker color. If you saturate the color by 10%, you get **31.5145, 0.3830, 0.3115**, and if you desaturate by 10%, it is **46.1034, 0.3377, 0.3215**.

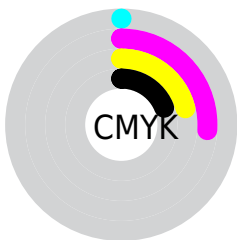
# Distribution



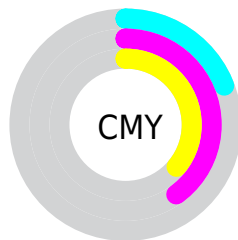
- Red (81%)
- Green (60%)
- Blue (64%)



- Red (81%)
- Yellow (60%)
- Blue (64%)



- Cyan (0%)
- Magenta (26%)
- Yellow (21%)
- Black (19%)




- Cyan (19%)
- Magenta (40%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.1869, 0.3580, 0.3165 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 38.1869, 0.3580, 0.3165 by changing the saturation by 10% instead.





 38.1869, 0.3580,  
0.3165


 38.1869, 0.3580,  
0.3165


338.4210, 0.3345,  
0.3232

 26.1278, 0.3641,  
0.3147


 72.3945, 0.3493,  
0.3190

 16.9193, 0.3722,  
0.3123


 95.3118, 0.3460,  
0.3199

 10.1769, 0.3833,  
0.3090


122.6173, 0.3433,  
0.3207

 5.5164, 0.3993,  
0.3040

154.6953, 0.3410,  
0.3213

 2.5533, 0.4246,  
0.2960

191.9303, 0.3391,  
0.3219

 0.9033, 0.4716,  
0.2815

234.7067, 0.3374,

 0.0000, 1.0000,

0.3224

0.0000

283.4088, 0.3358,  
0.3228

0.0000, 0.0000,  
0.0000

38.1869, 0.3580,  
0.3165

38.1869, 0.3580,  
0.3165

31.5145, 0.3830,  
0.3115

46.1034, 0.3377,  
0.3215

26.0177, 0.4132,  
0.3068

55.3174, 0.3213,  
0.3262

21.6297, 0.4487,  
0.3031

65.8855, 0.3080,  
0.3306

18.2746, 0.4888,  
0.3011

77.8594, 0.2972,  
0.3347

15.8670, 0.5308,  
0.3017

91.2858, 0.2885,  
0.3384

■ 14.3075, 0.5705,  
0.3055

■ 91.8558, 0.2838,  
0.3289

■ 13.4717, 0.6027,  
0.3124

■ 13.2561, 0.6128,  
0.3150

# Harmonies

## Analogous

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



38.1869, 0.3279, 0.2934



38.1869, 0.3580, 0.3165



38.1869, 0.3757, 0.3434

# Triad

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



38.1869, 0.3580, 0.3165



38.1869, 0.3280, 0.3857



38.1869, 0.2535, 0.2863

# Complementary

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



38.1869, 0.3580, 0.3165



54.7852, 0.2808, 0.3420

# 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.



38.1869, 0.2536, 0.3092



38.1869, 0.3580, 0.3165



38.1869, 0.2955, 0.3690

# Square

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



38.1869, 0.3580, 0.3165



38.1869, 0.3574, 0.3847



38.1869, 0.2686, 0.3399



38.1869, 0.2682, 0.2759



# Rectangle

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



38.1869, 0.3580, 0.3165



38.1869, 0.3775, 0.3607



38.1869, 0.2686, 0.3399



38.1869, 0.2518, 0.2927

# Sweetspot

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



38.1887, 0.3580, 0.3165



86.6427, 0.3241, 0.3253



38.5436, 0.3058, 0.2624



18.0419, 0.3265, 0.3246



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.



38.1887, 0.3580, 0.3165



56.0333, 0.3703, 0.3139



43.4645, 0.3631, 0.3496



11.2470, 0.3261, 0.3247



8.1770, 0.6097, 0.3133



0.4323, 0.5569, 0.2842



# Inverse Universe

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



38.1887, 0.3580, 0.3165



56.0333, 0.3703, 0.3139



47.8627, 0.2727, 0.3074



11.2470, 0.3261, 0.3247



8.1770, 0.6097, 0.3133

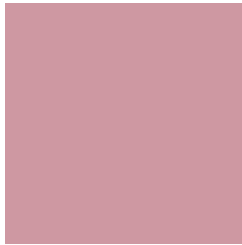


0.4323, 0.5569, 0.2842



# Previews

## White Background



This preview shows how the Yxy color 38.1869, 0.3580, 0.3165 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

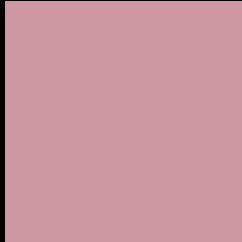
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 38.1869, 0.3580, 0.3165 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

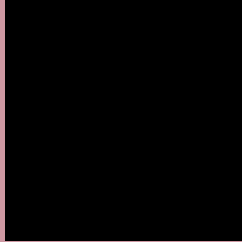
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 38.1869, 0.3580, 0.3165**

## Background



This preview shows how black text looks on a background with the Yxy color 38.1869, 0.3580, 0.3165.



This preview shows how white text looks on a background with the Yxy color 38.1869, 0.3580, 0.3165.

# 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

38.1869, 0.3580, 0.3165

### Protanopia

38.4995, 0.3111, 0.3234

### Deuteranopia

38.3421, 0.3369, 0.3304



## Tritanopia

38.2226, 0.3570, 0.3152

# Trichromacy



## Original Color

38.1869, 0.3580, 0.3165

## Protanomaly

38.2248, 0.3275, 0.3209

## Deuteranomaly

38.3644, 0.3445, 0.3251

## Tritanomaly

38.2226, 0.3570, 0.3152

# Monochromacy



## Original Color

38.1869, 0.3580, 0.3165

## Achromatopsia

39.6755, 0.3127, 0.3290

## Achromatomaly

38.8926, 0.3281, 0.3250

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.1869, 0.3580, 0.3165 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(206, 152, 162)` looks like.

```
.text, #text, p{  
    color:rgb(206, 152, 162)  
}
```

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(206, 152, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 152, 162) }
```

## Border

The CSS property to change the border of an element to Yxy 38.1869, 0.3580, 0.3165 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(206, 152, 162) }
```

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

```
.border{ border-color:rgb(206, 152, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 152, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 152, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 152, 162);  
box-shadow:4px 4px 4px 4px rgb(206, 152,  
162) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.1869, 0.3580, 0.3165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 152, 162) }
```

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

```
.background{ background-color: rgb(206,  
152, 162) }
```

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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