

# Converting Colors

$Y_{xy}(36.0205, 0.3375, 0.3126)$

Have a look what the booklet for  
Yxy(36.0205, 0.3375, 0.3126)  
contains.

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# Color

**Yxy(35.8645, 0.3367, 0.3116)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BC98A5
RGB	188, 152, 165
RGB Percent	74%, 60%, 65%
CMY	0.2629, 0.4039, 0.3529
CMYK	0.00, 0.19, 0.12, 0.26
HSL	338°, 21%, 67%
HSV	338°, 19%, 74%
XYZ	38.7535, 35.8645, 40.4799
YIQ	164.2460, 17.2830, 11.6750

# Conversions

## Conversions Part 2

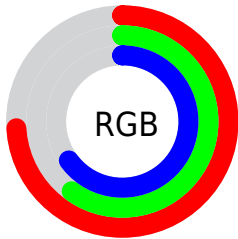
Format	Color
R <sub>Y</sub> B	188, 152, 165
Decimal	12359845
CIE Lab	66.42, 15.52, -1.71
CIE LCh	66, 15.613, 353.700
Yxy	35.8645, 0.3367, 0.3116
Android (android.graphics.Color)	4290549925 (0xFFBC98A5)
YUV	164.2460, 0.3717, 20.8323
Hunter-Lab	59.8870, 10.7069, 1.8445

# Details

The Yxy color **35.8645, 0.3367, 0.3116** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **45.7246, 0.2935, 0.3471**, and the grayscale version is **37.2396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.7224, 0.3325, 0.3145**, and **15.5679, 0.3442, 0.3068** is the 20% darker color. If you saturate the color by 10%, you get **29.8226, 0.3533, 0.3019**, and if you desaturate by 10%, it is **42.9176, 0.3230, 0.3209**.

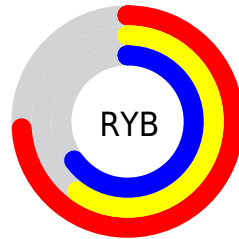
# Distribution



Red (74%)

Green (60%)

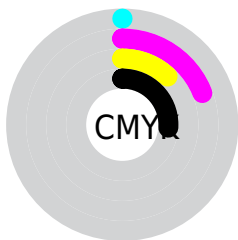
Blue (65%)



Red (74%)

Yellow (60%)

Blue (65%)

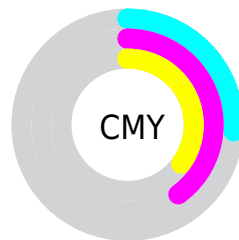


Cyan (0%)

Magenta (19%)

Yellow (12%)

Black (26%)



Cyan (26%)

Magenta (40%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8645, 0.3367, 0.3116 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 35.8645, 0.3367, 0.3116 by changing the saturation by 10% instead.




 35.8645, 0.3367,  
0.3116


 35.8645, 0.3367,  
0.3116


328.3679, 0.3242,  
0.3206

 24.3296, 0.3400,  
0.3092


 68.8229, 0.3320,  
0.3150

 15.5783, 0.3443,  
0.3062


 91.0151, 0.3303,  
0.3162

 9.2262, 0.3503,  
0.3019


117.5286, 0.3289,  
0.3172

 4.8890, 0.3590,  
0.2958

148.7476, 0.3277,  
0.3181

 2.1823, 0.3729,  
0.2861

185.0567, 0.3266,  
0.3189

 0.7103, 0.4007,  
0.2655

226.8402, 0.3257,

 0.0000, 1.0000,

0.3195


0.0000


274.4824, 0.3249,  
0.3201

 0.0000, 0.0000,  
0.0000


 35.8645, 0.3367,  
0.3116


 35.8645, 0.3367,  
0.3116


 29.8226, 0.3533,  
0.3019


 42.9176, 0.3230,  
0.3209

 24.7406, 0.3733,  
0.2923

 51.0206, 0.3118,  
0.3297

 20.5698, 0.3971,  
0.2832

 60.2161, 0.3026,  
0.3379

 17.2553, 0.4247,  
0.2757

 70.5429, 0.2951,  
0.3454

 14.7363, 0.4556,  
0.2707

 82.0377, 0.2889,  
0.3523

■ 12.9438, 0.4884,  
0.2697

■ 88.3242, 0.2831,  
0.3484

■ 11.7970, 0.5209,  
0.2734

■ 89.0498, 0.2771,  
0.3353

■ 11.1523, 0.5511,  
0.2816

■ 89.4275, 0.2741,  
0.3289

■ 11.1038, 0.5536,  
0.2823

# Harmonies

## Analogous

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



35.8645, 0.3130, 0.2967



35.8645, 0.3367, 0.3116



35.8645, 0.3542, 0.3310

# Triad

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



35.8645, 0.3367, 0.3116



35.8645, 0.3345, 0.3713



35.8645, 0.2675, 0.3046

# Complementary

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



35.8645, 0.3367, 0.3116



45.7246, 0.2935, 0.3471

# 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.



35.8645, 0.2728, 0.3247



35.8645, 0.3367, 0.3116



35.8645, 0.3110, 0.3646

# Square

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



35.8645, 0.3367, 0.3116



35.8645, 0.3527, 0.3658



35.8645, 0.2885, 0.3471



35.8645, 0.2737, 0.2922



# Rectangle

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



35.8645, 0.3367, 0.3116



35.8645, 0.3596, 0.3444



35.8645, 0.2885, 0.3471



35.8645, 0.2680, 0.3107

# Sweetspot

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



35.8661, 0.3367, 0.3116



82.0549, 0.3194, 0.3237



35.1806, 0.3024, 0.2804



17.4463, 0.3202, 0.3231



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

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



35.8661, 0.3367, 0.3116



60.1507, 0.3434, 0.3075



37.0047, 0.3485, 0.3356



9.5918, 0.3233, 0.3207



7.5759, 0.5504, 0.2805



0.3094, 0.4837, 0.2438



# Inverse Universe

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



35.8661, 0.3367, 0.3116



60.1507, 0.3434, 0.3075



44.2459, 0.2840, 0.3223



9.5918, 0.3233, 0.3207



7.5759, 0.5504, 0.2805

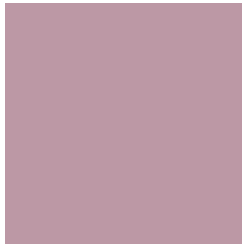


0.3094, 0.4837, 0.2438



# Previews

## White Background



This preview shows how the Yxy color 35.8645, 0.3367, 0.3116 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

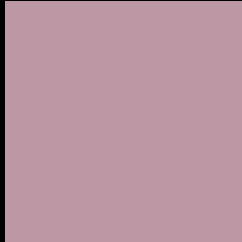
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 35.8645, 0.3367, 0.3116 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

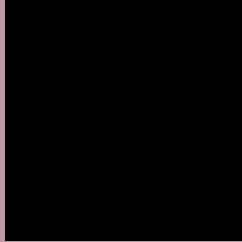
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 35.8645, 0.3367, 0.3116**

## **Background**



This preview shows how black text looks on a background with the Yxy color 35.8645, 0.3367, 0.3116.



This preview shows how white text looks on a background with the Yxy color 35.8645, 0.3367, 0.3116.

# 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

35.8645, 0.3367, 0.3116

### Protanopia

36.0734, 0.3058, 0.3161

### Deuteranopia

36.0244, 0.3249, 0.3193



## Tritanopia

35.8282, 0.3377, 0.3129

# Trichromacy



## Original Color

35.8645, 0.3367, 0.3116

## Protanomaly

35.9388, 0.3163, 0.3150

## Deuteranomaly

35.8263, 0.3292, 0.3166

## Tritanomaly

35.8282, 0.3377, 0.3129

# Monochromacy



## Original Color

35.8645, 0.3367, 0.3116

## Achromatopsia

37.1238, 0.3127, 0.3290

## Achromatomaly

36.7062, 0.3216, 0.3234

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.8645, 0.3367, 0.3116 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(188, 152, 165)` looks like.

```
.text, #text, p{  
    color:rgb(188, 152, 165)  
}
```

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(188, 152, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 152, 165) }
```

## Border

The CSS property to change the border of an element to Yxy 35.8645, 0.3367, 0.3116 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(188, 152, 165) }
```

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

```
.border{ border-color:rgb(188, 152, 165) }
```

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

Here you see how a box with a 4 pixel rgb(188, 152, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 152, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 152, 165);  
box-shadow:4px 4px 4px 4px rgb(188, 152,  
165) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.8645, 0.3367, 0.3116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 152, 165) }
```

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

```
.background{ background-color: rgb(188,  
152, 165) }
```

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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