

# Converting Colors

$Yxy(48.9019, 0.3065, 0.3099)$

Have a look what the booklet for  
Yxy(48.9019, 0.3065, 0.3099)  
contains.

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# Color

**Yxy(48.8913, 0.3069, 0.3103)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BEB7C6
RGB	190, 183, 198
RGB Percent	75%, 72%, 78%
CMY	0.2550, 0.2823, 0.2235
CMYK	0.04, 0.08, 0.00, 0.22
HSL	268°, 12%, 75%
HSV	268°, 8%, 78%
XYZ	48.3556, 48.8913, 60.3145
YIQ	186.8030, -0.6430, 6.1490

# Conversions

## Conversions Part 2

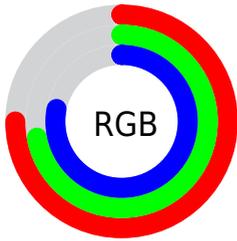
Format	Color
R <sub>Y</sub> B	190, 183, 198
Decimal	12498886
CIE Lab	75.38, 5.26, -6.70
CIE LCh	75, 8.514, 308.139
Yxy	48.8913, 0.3069, 0.3103
Android (android.graphics.Color)	4290688966 (0xFFBEB7C6)
YUV	186.8030, 5.5201, 2.8038
Hunter-Lab	69.9223, 1.0797, -2.1975

# Details

The Yxy color **48.8913, 0.3069, 0.3103** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **54.8908, 0.3182, 0.3477**, and the grayscale version is **49.5447, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5458, 0.3076, 0.3133**, and **23.2972, 0.3059, 0.3054** is the 20% darker color. If you saturate the color by 10%, you get **39.9740, 0.2981, 0.2837**, and if you desaturate by 10%, it is **59.0613, 0.3144, 0.3347**.

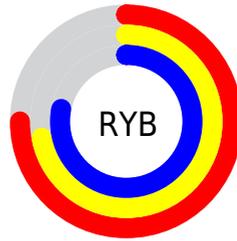
# Distribution



Red (75%)

Green (72%)

Blue (78%)



Red (75%)

Yellow (72%)

Blue (78%)

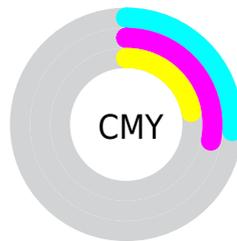


Cyan (4%)

Magenta (8%)

Yellow (0%)

Black (22%)



Cyan (26%)

Magenta (28%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.8913, 0.3069, 0.3103 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 48.8913, 0.3069, 0.3103 by changing the saturation by 10% instead.

 48.8913, 0.3069,  
0.3103

 48.8913, 0.3069,  
0.3103

382.3142, 0.3098,  
0.3195

 34.5333, 0.3062,  
0.3081

 88.5300, 0.3080,  
0.3136

 23.3036, 0.3052,  
0.3052

114.5794, 0.3084,  
0.3148

 14.8178, 0.3040,  
0.3015

145.2948, 0.3087,  
0.3159

 8.6916, 0.3022,  
0.2963

181.0605, 0.3090,  
0.3168

 4.5406, 0.2995,  
0.2888

222.2609, 0.3092,  
0.3176

 1.9803, 0.2951,  
0.2769

269.2803, 0.3095,

 0.5960, 0.2876,

0.3183

0.2467

322.5033, 0.3097,  
0.3189

0.0000, 0.0000,  
0.0000

48.8913, 0.3069,  
0.3103

48.8913, 0.3069,  
0.3103

39.9740, 0.2981,  
0.2837

59.0613, 0.3144,  
0.3347

32.2534, 0.2879,  
0.2552

70.5247, 0.3208,  
0.3569

25.6783, 0.2764,  
0.2255

83.3281, 0.3261,  
0.3768

20.1914, 0.2637,  
0.1954

92.8235, 0.3316,  
0.3878

15.7303, 0.2501,  
0.1663

94.6579, 0.3386,  
0.3865

■ 12.2260, 0.2361,  
0.1396

■ 96.6015, 0.3457,  
0.3852

■ 9.6005, 0.2223,  
0.1168

■ 96.8573, 0.3466,  
0.3850

■ 7.7633, 0.2093,  
0.0993

■ 6.5854, 0.1977,  
0.0873

# Harmonies

## Analogous

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



48.8913, 0.2968, 0.3094



48.8913, 0.3069, 0.3103



48.8913, 0.3188, 0.3160

# Triad

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



48.8913, 0.3069, 0.3103



48.8913, 0.3350, 0.3440



48.8913, 0.2964, 0.3328

# Complementary

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



48.8913, 0.3069, 0.3103



54.8908, 0.3182, 0.3477

# 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.



48.8913, 0.3064, 0.3426



48.8913, 0.3069, 0.3103



48.8913, 0.3287, 0.3490

# Square

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



48.8913, 0.3069, 0.3103



48.8913, 0.3351, 0.3352



48.8913, 0.3182, 0.3486



48.8913, 0.2908, 0.3221

# Rectangle

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



48.8913, 0.3069, 0.3103



48.8913, 0.3261, 0.3218



48.8913, 0.3182, 0.3486



48.8913, 0.2994, 0.3363

# Sweetspot

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



48.8934, 0.3069, 0.3103



96.2743, 0.3112, 0.3241



51.5203, 0.3012, 0.3205



20.6457, 0.3113, 0.3244



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.



48.8934, 0.3069, 0.3103



83.9625, 0.3056, 0.3063



49.8547, 0.3129, 0.3107



10.5246, 0.3054, 0.3056



4.1767, 0.1964, 0.0856



0.2407, 0.2201, 0.0986



# Inverse Universe

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



49.6427, 0.3191, 0.3191



85.5544, 0.3205, 0.3170



53.9695, 0.3124, 0.3480



10.7304, 0.3207, 0.3167



8.5036, 0.4789, 0.2412

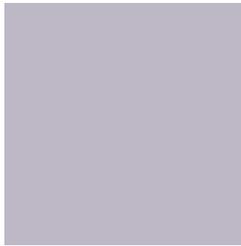


0.4172, 0.4372, 0.2182



# Previews

## White Background



This preview shows how the Yxy color 48.8913, 0.3069, 0.3103 looks on a white background.

## Color Contrast Check

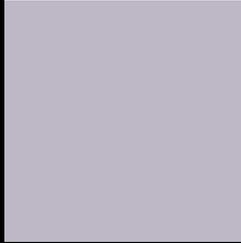
Large Text (above 18pt) WCAG AA × Fail

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 48.8913, 0.3069, 0.3103 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

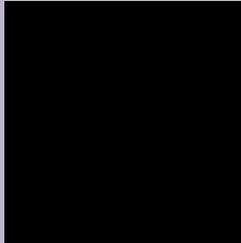
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

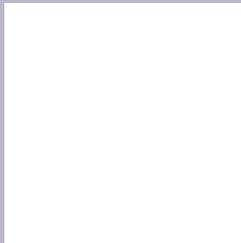
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.8913, 0.3069, 0.3103**

## Background



This preview shows how black text looks on a background with the Yxy color 48.8913, 0.3069, 0.3103.



This preview shows how white text looks on a background with the Yxy color 48.8913, 0.3069, 0.3103.

# 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

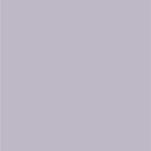
48.8913, 0.3069, 0.3103

### Protanopia

48.7188, 0.3021, 0.3101

### Deuteranopia

48.7718, 0.3130, 0.3058



## Tritanopia

48.8913, 0.3069, 0.3103

# Trichromacy



## Original Color

48.8913, 0.3069, 0.3103

## Protanomaly

48.9693, 0.3037, 0.3102

## Deuteranomaly

48.7734, 0.3104, 0.3068

## Tritanomaly

48.8913, 0.3069, 0.3103

# Monochromacy



## Original Color

48.8913, 0.3069, 0.3103

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

49.5708, 0.3105, 0.3227

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.8913, 0.3069, 0.3103 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(190, 183, 198)` looks like.

```
.text, #text, p{  
    color:rgb(190, 183, 198)  
}
```

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(190, 183, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 183, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 48.8913, 0.3069, 0.3103 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(190, 183, 198) }
```

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

```
.border{ border-color:rgb(190, 183, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 183, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 183, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 183, 198);  
box-shadow:4px 4px 4px 4px rgb(190, 183,  
198) }
```

# Background

The CSS property to change the background color of an element to Yxy 48.8913, 0.3069, 0.3103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 183, 198) }
```

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

```
.background{ background-color: rgb(190,  
183, 198) }
```

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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