

# Converting Colors

$Y_{xy}(49.2524, 0.3108, 0.3165)$

Have a look what the booklet for  
Yxy(49.2524, 0.3108, 0.3165)  
contains.

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# Color

**Yxy(49.2524, 0.3108, 0.3165)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFB8C2
RGB	191, 184, 194
RGB Percent	75%, 72%, 76%
CMY	0.2509, 0.2784, 0.2392
CMYK	0.02, 0.05, 0.00, 0.24
HSL	282°, 8%, 74%
HSV	282°, 5%, 76%
XYZ	48.3654, 49.2524, 57.9980
YIQ	187.2330, 0.9620, 4.5940

# Conversions

## Conversions Part 2

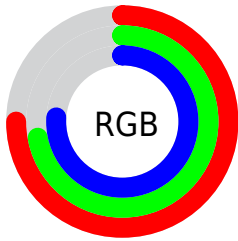
<b>Format</b>	<b>Color</b>
<b>RYB</b>	191, 184, 194
Decimal	12564674
CIELab	75.61, 4.32, -4.18
CIELCh	76, 6.009, 315.933
Yxy	49.2524, 0.3108, 0.3165
Android (android.graphics.Color)	4290754754 (0xFFBFB8C2)
YUV	187.2330, 3.3361, 3.3037
Hunter-Lab	70.1801, 0.2002, 0.1278

# Details

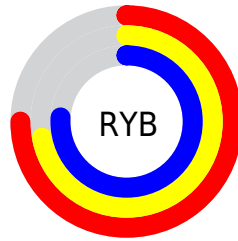
The Yxy color **49.2524, 0.3108, 0.3165** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **52.6107, 0.3145, 0.3416**, and the grayscale version is **49.8145, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9965, 0.3112, 0.3192**, and **23.5293, 0.3112, 0.3138** is the 20% darker color. If you saturate the color by 10%, you get **41.0008, 0.3065, 0.2911**, and if you desaturate by 10%, it is **58.6435, 0.3144, 0.3403**.

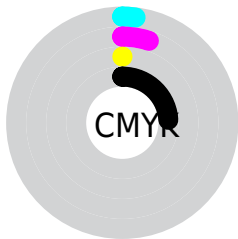
# Distribution



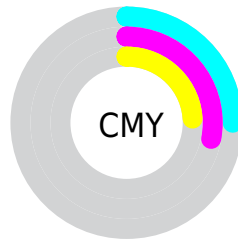
- Red (75%)
- Green (72%)
- Blue (76%)



- Red (75%)
- Yellow (72%)
- Blue (76%)



- Cyan (2%)
- Magenta (5%)
- Yellow (0%)
- Black (24%)




- Cyan (25%)
- Magenta (28%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2524, 0.3108, 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 49.2524, 0.3108, 0.3165 by changing the saturation by 10% instead.





 49.2524, 0.3108,  
0.3165

 49.2524, 0.3108,  
0.3165

383.7351, 0.3118,  
0.3227

 34.8197, 0.3106,  
0.3150


 89.0662, 0.3112,  
0.3187

 23.5241, 0.3102,  
0.3131


115.2161, 0.3113,  
0.3196

 14.9809, 0.3098,  
0.3106


146.0406, 0.3114,  
0.3203

 8.8060, 0.3092,  
0.3071

181.9241, 0.3115,  
0.3209

 4.6149, 0.3083,  
0.3020

223.2508, 0.3116,  
0.3214

 2.0231, 0.3067,  
0.2939

270.4053, 0.3117,

 0.6208, 0.3044,

0.3219

0.2718

323.7720, 0.3117,  
0.3223

0.0000, 0.0000,  
0.0000

49.2524, 0.3108,  
0.3165

49.2524, 0.3108,  
0.3165

41.0008, 0.3065,  
0.2911

58.6435, 0.3144,  
0.3403

33.8372, 0.3015,  
0.2645

69.2102, 0.3173,  
0.3623

27.7158, 0.2956,  
0.2373

80.9948, 0.3196,  
0.3824

22.5847, 0.2890,  
0.2103

89.7497, 0.3221,  
0.3944

18.3878, 0.2817,  
0.1847

90.6412, 0.3259,  
0.3937

■ 15.0629, 0.2738,  
0.1616

■ 91.5642, 0.3296,  
0.3929

■ 12.5405, 0.2657,  
0.1422

■ 92.5191, 0.3334,  
0.3921

■ 10.7399, 0.2577,  
0.1271

■ 93.5061, 0.3373,  
0.3913

■ 9.5627, 0.2498,  
0.1169

■ 94.5256, 0.3412,  
0.3906

# Harmonies

## Analogous

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



49.2524, 0.3031, 0.3149



49.2524, 0.3108, 0.3165



49.2524, 0.3191, 0.3213

# Triad

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



49.2524, 0.3108, 0.3165



49.2524, 0.3276, 0.3409



49.2524, 0.2999, 0.3297

# Complementary

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



49.2524, 0.3108, 0.3165



52.6107, 0.3145, 0.3416

# 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.



49.2524, 0.3063, 0.3369



49.2524, 0.3108, 0.3165



49.2524, 0.3223, 0.3434

# Square

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



49.2524, 0.3108, 0.3165



49.2524, 0.3289, 0.3352



49.2524, 0.3145, 0.3420



49.2524, 0.2969, 0.3225



# Rectangle

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



49.2524, 0.3108, 0.3165



49.2524, 0.3238, 0.3257



49.2524, 0.3145, 0.3420



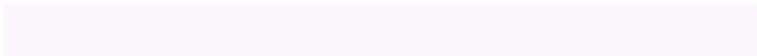
49.2524, 0.3017, 0.3323

# Sweetspot

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



49.2545, 0.3108, 0.3165



94.3215, 0.3120, 0.3241



49.6277, 0.3049, 0.3201



20.6917, 0.3120, 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.



49.2545, 0.3108, 0.3165



87.7413, 0.3104, 0.3142



49.5577, 0.3149, 0.3191



10.6191, 0.3102, 0.3130



6.0402, 0.2471, 0.1135



0.2954, 0.2642, 0.1229

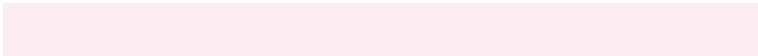


# Inverse Universe

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



49.3396, 0.3188, 0.3253



87.9248, 0.3200, 0.3246



52.3212, 0.3106, 0.3391



10.6433, 0.3206, 0.3242



7.7552, 0.5738, 0.2935

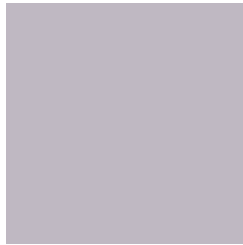


0.3476, 0.5084, 0.2575



# Previews

## White Background



This preview shows how the Yxy color 49.2524, 0.3108, 0.3165 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

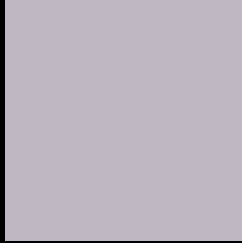
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.2524, 0.3108, 0.3165 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

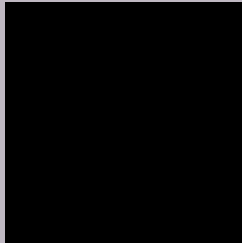
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

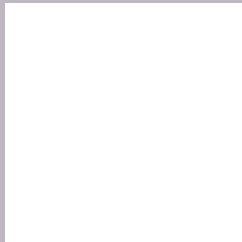
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 49.2524, 0.3108, 0.3165**

## Background



This preview shows how black text looks on a background with the Yxy color 49.2524, 0.3108, 0.3165.

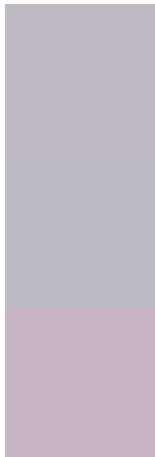


This preview shows how white text looks on a background with the Yxy color 49.2524, 0.3108, 0.3165.

# 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

49.2524, 0.3108, 0.3165

### Protanopia

49.2028, 0.3067, 0.3164

### Deuteranopia

49.2672, 0.3178, 0.3119



## Tritanopia

49.1507, 0.3086, 0.3104

# Trichromacy



## Original Color

49.2524, 0.3108, 0.3165

## Protanomaly

49.3294, 0.3075, 0.3164

## Deuteranomaly

49.2663, 0.3152, 0.3130

## Tritanomaly

49.1047, 0.3094, 0.3116

# Monochromacy



## Original Color

49.2524, 0.3108, 0.3165

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

49.5269, 0.3113, 0.3239

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.2524, 0.3108, 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(191, 184, 194)` looks like.

```
.text, #text, p{  
    color:rgb(191, 184, 194)  
}
```

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(191, 184, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 184, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 49.2524, 0.3108, 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(191, 184, 194) }
```

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

```
.border{ border-color:rgb(191, 184, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 184, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 184, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 184, 194);  
box-shadow:4px 4px 4px 4px rgb(191, 184,  
194) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.2524, 0.3108, 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(191, 184, 194) }
```

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

```
.background{ background-color: rgb(191,  
184, 194) }
```

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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