

# Converting Colors

$Y_{xy}(48.9597, 0.3222, 0.3071)$

Have a look what the booklet for  
Yxy(48.9597, 0.3222, 0.3071)  
contains.

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# Color

**Yxy(48.9481, 0.3224, 0.3074)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CEB2C4
RGB	206, 178, 196
RGB Percent	81%, 70%, 77%
CMY	0.1921, 0.3019, 0.2315
CMYK	0.00, 0.14, 0.05, 0.19
HSL	322°, 22%, 75%
HSV	322°, 14%, 81%
XYZ	51.3366, 48.9481, 58.9479
YIQ	188.4240, 10.9100, 11.5340

# Conversions

## Conversions Part 2

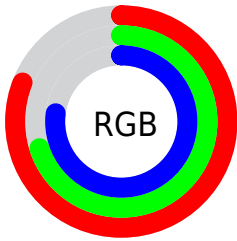
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	206, 178, 196
Decimal	13546180
CIE Lab	75.42, 13.14, -5.39
CIE LCh	75, 14.205, 337.721
Yxy	48.9481, 0.3224, 0.3074
Android (android.graphics.Color)	4291736260 (0xFFCEB2C4)
YUV	188.4240, 3.7350, 15.4142
Hunter-Lab	69.9629, 8.5426, -0.9813

# Details

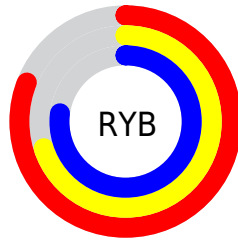
The Yxy color  $48.9481, 0.3224, 0.3074$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $57.2455, 0.3041, 0.3516$ , and the grayscale version is  $50.5176, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $87.1975, 0.3149, 0.3107$ , and  $23.2956, 0.3259, 0.3017$  is the 20% darker color. If you saturate the color by 10%, you get  $41.0303, 0.3311, 0.2908$ , and if you desaturate by 10%, it is  $58.1178, 0.3151, 0.3234$ .

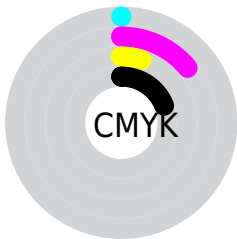
# Distribution



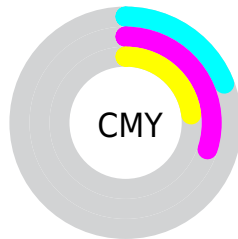
- Red (81%)
- Green (70%)
- Blue (77%)



- Red (81%)
- Yellow (70%)
- Blue (77%)



- Cyan (0%)
- Magenta (14%)
- Yellow (5%)
- Black (19%)




- Cyan (19%)
- Magenta (30%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.9481, 0.3224, 0.3074 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 48.9481, 0.3224, 0.3074 by changing the saturation by 10% instead.





 48.9481, 0.3224,  
0.3074

 48.9481, 0.3224,  
0.3074


382.5380, 0.3177,  
0.3179

 34.5783, 0.3235,  
0.3048

 88.6144, 0.3207,  
0.3112

 23.3382, 0.3250,  
0.3016


114.6796, 0.3201,  
0.3126

 14.8435, 0.3269,  
0.2974


145.4122, 0.3195,  
0.3138

 8.7096, 0.3295,  
0.2916

181.1964, 0.3191,  
0.3149

 4.5522, 0.3332,  
0.2832

222.4167, 0.3187,  
0.3158

 1.9870, 0.3390,  
0.2701

269.4575, 0.3183,

 0.5999, 0.3535,

0.3166

0.2378

322.7031, 0.3180,  
0.3173

0.0000, 0.0000,  
0.0000

48.9481, 0.3224,  
0.3074

48.9481, 0.3224,  
0.3074

41.0303, 0.3311,  
0.2908

58.1178, 0.3151,  
0.3234

34.3030, 0.3413,  
0.2739

68.5846, 0.3089,  
0.3386

28.7094, 0.3530,  
0.2575

80.3991, 0.3038,  
0.3528

24.1853, 0.3662,  
0.2425

90.1074, 0.2995,  
0.3604

20.6600, 0.3808,  
0.2298

90.5205, 0.2955,  
0.3523

■ 18.0546, 0.3964,  
0.2207

■ 90.9513, 0.2915,  
0.3444

■ 16.2776, 0.4124,  
0.2160

■ 91.3999, 0.2876,  
0.3366

■ 15.2189, 0.4283,  
0.2165

■ 91.8631, 0.2838,  
0.3289

■ 14.7933, 0.4383,  
0.2188

# Harmonies

## Analogous

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



48.9481, 0.3026, 0.2982



48.9481, 0.3224, 0.3074



48.9481, 0.3400, 0.3220

# Triad

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



48.9481, 0.3224, 0.3074



48.9481, 0.3395, 0.3624



48.9481, 0.2766, 0.3174

# Complementary

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



48.9481, 0.3224, 0.3074



57.2455, 0.3041, 0.3516

# 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.



48.9481, 0.2859, 0.3355



48.9481, 0.3224, 0.3074



48.9481, 0.3220, 0.3622

# Square

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



48.9481, 0.3224, 0.3074



48.9481, 0.3500, 0.3535



48.9481, 0.3023, 0.3522



48.9481, 0.2767, 0.3033



# Rectangle

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



48.9481, 0.3224, 0.3074



48.9481, 0.3479, 0.3331



48.9481, 0.3023, 0.3522



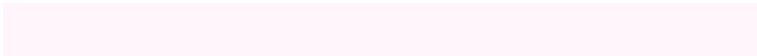
48.9481, 0.2787, 0.3232

# Sweetspot

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



48.9502, 0.3224, 0.3074



93.4306, 0.3154, 0.3227



46.9665, 0.2991, 0.2942



19.7418, 0.3159, 0.3215



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.



48.9502, 0.3224, 0.3074



75.7679, 0.3245, 0.3031



48.3520, 0.3339, 0.3239



11.3328, 0.3192, 0.3142



9.1274, 0.4361, 0.2176



0.4850, 0.4080, 0.2021



# Inverse Universe

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



48.9502, 0.3224, 0.3074



75.7679, 0.3245, 0.3031



57.8679, 0.2949, 0.3342



11.3328, 0.3192, 0.3142



9.1274, 0.4361, 0.2176

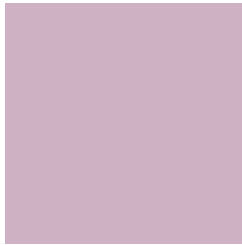


0.4850, 0.4080, 0.2021



# Previews

## White Background



This preview shows how the Yxy color 48.9481, 0.3224, 0.3074 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

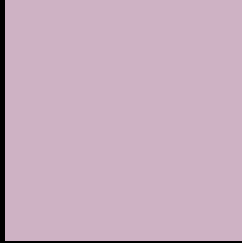
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.9481, 0.3224, 0.3074 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

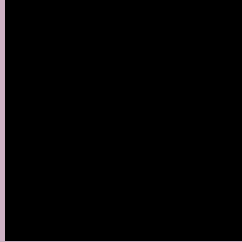
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.9481, 0.3224, 0.3074**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.9481, 0.3224, 0.3074.



This preview shows how white text looks on a background with the Yxy color 48.9481, 0.3224, 0.3074.

# 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

48.9481, 0.3224, 0.3074

### Protanopia

49.1823, 0.3013, 0.3101

### Deuteranopia

48.9074, 0.3170, 0.3095



## Tritanopia

49.2123, 0.3247, 0.3121

# Trichromacy



## Original Color

48.9481, 0.3224, 0.3074

## Protanomaly

48.9169, 0.3087, 0.3080

## Deuteranomaly

48.7823, 0.3188, 0.3083

## Tritanomaly

49.2571, 0.3239, 0.3109

# Monochromacy



## Original Color

48.9481, 0.3224, 0.3074

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

49.6447, 0.3165, 0.3203

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.9481, 0.3224, 0.3074 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, 178, 196)` looks like.

```
.text, #text, p{  
    color:rgb(206, 178, 196)  
}
```

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, 178, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 178, 196) }
```

## Border

The CSS property to change the border of an element to Yxy 48.9481, 0.3224, 0.3074 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, 178, 196) }
```

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

```
.border{ border-color:rgb(206, 178, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 178, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 178, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 178, 196);  
box-shadow:4px 4px 4px 4px rgb(206, 178,  
196) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.9481, 0.3224, 0.3074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 178, 196) }
```

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

```
.background{ background-color: rgb(206,  
178, 196) }
```

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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