

# Converting Colors

$Y_{xy}(47.8800, 0.3044, 0.2754)$

Have a look what the booklet for  
Yxy(47.8800, 0.3044, 0.2754)  
contains.

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# Color

**Yxy(48.0709, 0.3050, 0.2764)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CEADDA
RGB	206, 173, 218
RGB Percent	81%, 68%, 85%
CMY	0.1923, 0.3215, 0.1452
CMYK	0.06, 0.21, 0.00, 0.15
HSL	284°, 38%, 77%
HSV	284°, 21%, 85%
XYZ	53.0450, 48.0709, 72.8020
YIQ	187.9970, 5.2230, 20.9910

# Conversions

## Conversions Part 2

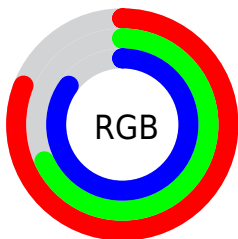
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	206, 173, 218
Decimal	13544922
CIE Lab	74.87, 19.98, -18.22
CIE LCh	75, 27.037, 317.646
Yxy	48.0709, 0.3050, 0.2764
Android (android.graphics.Color)	4291735002 (0xFFCEADDA)
YUV	187.9970, 14.7915, 15.7886
Hunter-Lab	69.3332, 15.2325, -13.7231

# Details

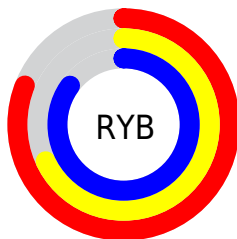
The Yxy color **48.0709, 0.3050, 0.2764** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **63.4709, 0.3187, 0.3844**, and the grayscale version is **50.1995, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5186, 0.3139, 0.3039**, and **22.6566, 0.3020, 0.2622** is the 20% darker color. If you saturate the color by 10%, you get **39.5651, 0.3002, 0.2494**, and if you desaturate by 10%, it is **57.9756, 0.3091, 0.3026**.

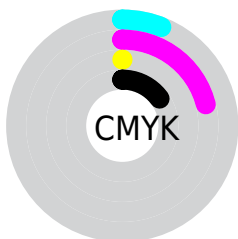
# Distribution



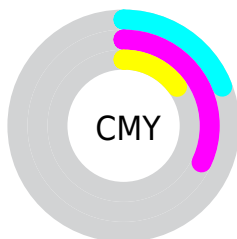
- Red (81%)
- Green (68%)
- Blue (85%)



- Red (81%)
- Yellow (68%)
- Blue (85%)



- Cyan (6%)
- Magenta (21%)
- Yellow (0%)
- Black (15%)




- Cyan (19%)
- Magenta (32%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.0709, 0.3050, 0.2764 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 48.0709, 0.3050, 0.2764 by changing the saturation by 10% instead.





 48.0709, 0.3050,  
0.2764

 48.0709, 0.3050,  
0.2764


379.0731, 0.3092,  
0.3015

 33.8830, 0.3039,  
0.2705


 87.3100, 0.3066,  
0.2853

 22.8038, 0.3024,  
0.2631


113.1299, 0.3072,  
0.2887

 14.4487, 0.3003,  
0.2535


143.5961, 0.3077,  
0.2916

 8.4334, 0.2973,  
0.2408

179.0928, 0.3081,  
0.2941

 4.3735, 0.2927,  
0.2231

220.0045, 0.3084,  
0.2963

 1.8846, 0.2847,  
0.1969

266.7155, 0.3087,

 0.5391, 0.2719,

0.2983

0.1451

319.6102, 0.3090,  
0.3000

0.0000, 0.0000,  
0.0000

48.0709, 0.3050,  
0.2764

48.0709, 0.3050,  
0.2764

39.5651, 0.3002,  
0.2494

57.9756, 0.3091,  
0.3026

32.3856, 0.2946,  
0.2224

69.3348, 0.3125,  
0.3275

26.4626, 0.2884,  
0.1965

82.2089, 0.3153,  
0.3507

21.7173, 0.2816,  
0.1727

93.2826, 0.3180,  
0.3670

18.0618, 0.2745,  
0.1521

94.2580, 0.3217,  
0.3666

■ 15.3958, 0.2672,  
0.1358

■ 95.2658, 0.3254,  
0.3662

■ 13.5996, 0.2600,  
0.1242

■ 96.3064, 0.3292,  
0.3657

■ 12.5105, 0.2535,  
0.1170

■ 97.3800, 0.3330,  
0.3653

■ 97.8412, 0.3346,  
0.3651

# Harmonies

## Analogous

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



48.0709, 0.2711, 0.2681



48.0709, 0.3050, 0.2764



48.0709, 0.3430, 0.2967

# Triad

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



48.0709, 0.3050, 0.2764



48.0709, 0.3792, 0.3818



48.0709, 0.2546, 0.3285

# Complementary

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



48.0709, 0.3050, 0.2764



63.4709, 0.3187, 0.3844

# 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.



48.0709, 0.2810, 0.3645



48.0709, 0.3050, 0.2764



48.0709, 0.3530, 0.3957

# Square

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



48.0709, 0.3050, 0.2764



48.0709, 0.3873, 0.3556



48.0709, 0.3168, 0.3900



48.0709, 0.2434, 0.2954



# Rectangle

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



48.0709, 0.3050, 0.2764



48.0709, 0.3651, 0.3150



48.0709, 0.3168, 0.3900



48.0709, 0.2619, 0.3408

# Sweetspot

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



48.0730, 0.3050, 0.2764



89.8569, 0.3108, 0.3142



48.9632, 0.2794, 0.2886



19.0068, 0.3105, 0.3125



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.



48.0730, 0.3050, 0.2764



62.7632, 0.3029, 0.2641



49.3628, 0.3231, 0.2885



13.0908, 0.3095, 0.3057



7.5513, 0.2545, 0.1176



0.5305, 0.2657, 0.1238



# Inverse Universe

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



48.3007, 0.3430, 0.3149



63.1985, 0.3517, 0.3116



62.4305, 0.3038, 0.3732



13.1084, 0.3250, 0.3228



9.1296, 0.5864, 0.3004



0.6057, 0.5395, 0.2745



# Previews

## White Background



This preview shows how the Yxy color 48.0709, 0.3050, 0.2764 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

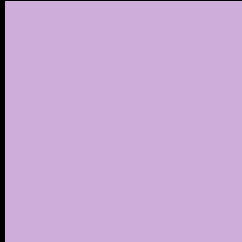
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.0709, 0.3050, 0.2764 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

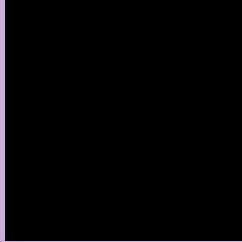
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.0709, 0.3050, 0.2764**

## Background



This preview shows how black text looks on a background with the Yxy color 48.0709, 0.3050, 0.2764.



This preview shows how white text looks on a background with the Yxy color 48.0709, 0.3050, 0.2764.

# 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

48.0709, 0.3050, 0.2764

### Protanopia

48.4172, 0.2760, 0.2772

### Deuteranopia

48.2171, 0.2904, 0.2838



## Tritanopia

48.2031, 0.3222, 0.3119

# Trichromacy



## Original Color

48.0709, 0.3050, 0.2764

## Protanomaly

47.9532, 0.2860, 0.2768

## Deuteranomaly

47.9234, 0.2959, 0.2808

## Tritanomaly

47.9642, 0.3159, 0.2988

# Monochromacy



## Original Color

48.0709, 0.3050, 0.2764

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

49.5926, 0.3103, 0.3093

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.0709, 0.3050, 0.2764 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, 173, 218)` looks like.

```
.text, #text, p{  
    color:rgb(206, 173, 218)  
}
```

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, 173, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 173, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 48.0709, 0.3050, 0.2764 is called "border". The border property can be set on classes, ids or directly on the HTML element.

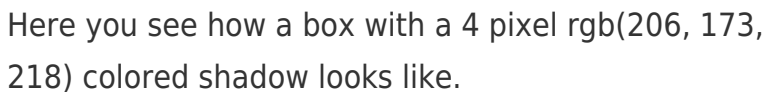
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(206, 173, 218) }
```

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

```
.border{ border-color:rgb(206, 173, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(206, 173, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 173, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 173, 218);  
box-shadow:4px 4px 4px 4px rgb(206, 173,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.0709, 0.3050, 0.2764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 173, 218) }
```

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

```
.background{ background-color: rgb(206,  
173, 218) }
```

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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