

# Converting Colors

$Yxy(48.4496, 0.3111, 0.2908)$

Have a look what the booklet for  
Yxy(48.4496, 0.3111, 0.2908)  
contains.

<b>Yxy(48.4421, 0.3111, 0.2909)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(48.4421, 0.3111, 0.2909)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CCB0D0
RGB	204, 176, 208
RGB Percent	80%, 69%, 82%
CMY	0.2001, 0.3097, 0.1844
CMYK	0.02, 0.15, 0.00, 0.18
HSL	293°, 25%, 75%
HSV	293°, 15%, 82%
XYZ	51.8059, 48.4421, 66.2769
YIQ	188.0200, 6.4160, 15.8880

# Conversions

## Conversions Part 2

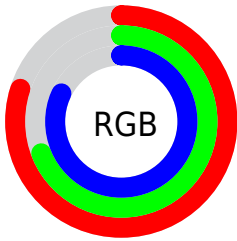
Format	Color
<a href="#">RYB</a>	<a href="#">204, 176, 208</a>
Decimal	<a href="#">13414608</a>
CIELab	<a href="#">75.10, 15.74, -12.42</a>
CIELCh	<a href="#">75, 20.056, 321.723</a>
Yxy	<a href="#">48.4421, 0.3111, 0.2909</a>
Android (android.graphics.Color)	<a href="#">4291604688 (0xFFCCB0D0)</a>
YUV	<a href="#">188.0200, 9.8501, 14.0145</a>
Hunter-Lab	<a href="#">69.6004, 11.0630, -7.7386</a>

# Details

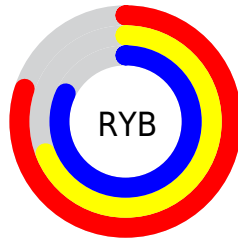
The Yxy color  $48.4421, 0.3111, 0.2909$  is a light color, and the websafe version is hex  $CC99CC$ . A complement of this color would be  $57.9384, 0.3138, 0.3695$ , and the grayscale version is  $50.2413, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $86.1932, 0.3138, 0.3068$ , and  $22.9830, 0.3104, 0.2798$  is the 20% darker color. If you saturate the color by 10%, you get  $40.5389, 0.3096, 0.2652$ , and if you desaturate by 10%, it is  $57.6050, 0.3122, 0.3160$ .

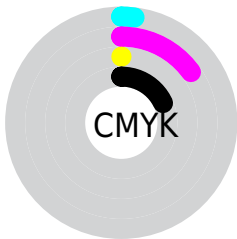
# Distribution



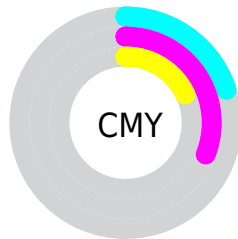
- Red (80%)
- Green (69%)
- Blue (82%)



- Red (80%)
- Yellow (69%)
- Blue (82%)



- Cyan (2%)
- Magenta (15%)
- Yellow (0%)
- Black (18%)




- Cyan (20%)
- Magenta (31%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4421, 0.3111, 0.2909 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 48.4421, 0.3111, 0.2909 by changing the saturation by 10% instead.





 48.4421, 0.3111,  
0.2909

 48.4421, 0.3111,  
0.2909


380.5418, 0.3121,  
0.3093

 34.1771, 0.3108,  
0.2865


 87.8623, 0.3115,  
0.2974

 23.0297, 0.3104,  
0.2810


113.7863, 0.3117,  
0.2999

 14.6154, 0.3097,  
0.2738

144.3654, 0.3118,  
0.3021

 8.5499, 0.3088,  
0.2641

179.9841, 0.3119,  
0.3039

 4.4488, 0.3072,  
0.2503

221.0266, 0.3119,  
0.3055

 1.9277, 0.3041,  
0.2293

267.8775, 0.3120,

 0.5649, 0.3008,

0.3069

0.1839

320.9211, 0.3121,  
0.3082

0.0000, 0.0000,  
0.0000

48.4421, 0.3111,  
0.2909

48.4421, 0.3111,  
0.2909

40.5389, 0.3096,  
0.2652

57.6050, 0.3122,  
0.3160

33.8325, 0.3078,  
0.2396

68.0746, 0.3131,  
0.3399

28.2638, 0.3056,  
0.2150

79.9027, 0.3137,  
0.3624

23.7664, 0.3031,  
0.1925

90.4250, 0.3143,  
0.3790

20.2670, 0.3003,  
0.1730

90.8198, 0.3159,  
0.3788

■ 17.6827, 0.2973,  
0.1573

■ 91.2209, 0.3176,  
0.3785

■ 15.9177, 0.2941,  
0.1460

■ 91.6283, 0.3192,  
0.3783

■ 14.8543, 0.2908,  
0.1391

■ 92.0420, 0.3209,  
0.3780

■ 14.4980, 0.2893,  
0.1368

■ 92.4621, 0.3225,  
0.3778

# Harmonies

## Analogous

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



48.4421, 0.2849, 0.2833



48.4421, 0.3111, 0.2909



48.4421, 0.3389, 0.3075

# Triad

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



48.4421, 0.3111, 0.2909



48.4421, 0.3602, 0.3707



48.4421, 0.2674, 0.3255

# Complementary

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



48.4421, 0.3111, 0.2909



57.9384, 0.3138, 0.3695

# 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.



48.4421, 0.2861, 0.3517



48.4421, 0.3111, 0.2909



48.4421, 0.3396, 0.3783

# Square

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



48.4421, 0.3111, 0.2909



48.4421, 0.3679, 0.3525



48.4421, 0.3124, 0.3716



48.4421, 0.2605, 0.3018



# Rectangle

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



48.4421, 0.3111, 0.2909



48.4421, 0.3542, 0.3219



48.4421, 0.3124, 0.3716



48.4421, 0.2725, 0.3344

# Sweetspot

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



48.4442, 0.3111, 0.2909



91.8324, 0.3123, 0.3167



46.5387, 0.2882, 0.2937



19.4194, 0.3122, 0.3150



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.



48.4442, 0.3111, 0.2909



73.0590, 0.3107, 0.2836



48.4598, 0.3241, 0.3048



11.9310, 0.3118, 0.3060



9.0675, 0.2898, 0.1370



0.5285, 0.2959, 0.1404



# Inverse Universe

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



47.7581, 0.3379, 0.3242



71.8077, 0.3435, 0.3233



57.9503, 0.3029, 0.3545



11.8319, 0.3271, 0.3261



8.4120, 0.6232, 0.3207



0.4785, 0.5832, 0.2986



# Previews

## White Background



This preview shows how the Yxy color 48.4421, 0.3111, 0.2909 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

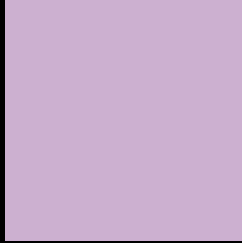
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.4421, 0.3111, 0.2909 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

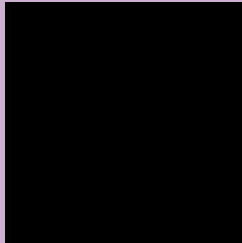
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.4421, 0.3111, 0.2909**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.4421, 0.3111, 0.2909.



This preview shows how white text looks on a background with the Yxy color 48.4421, 0.3111, 0.2909.

# 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

48.4421, 0.3111, 0.2909

### Protanopia

48.7884, 0.2880, 0.2928

### Deuteranopia

48.4850, 0.3026, 0.2959



## Tritanopia

48.6470, 0.3213, 0.3119

# Trichromacy



## Original Color

48.4421, 0.3111, 0.2909

## Protanomaly

48.5697, 0.2964, 0.2922

## Deuteranomaly

48.6155, 0.3059, 0.2950

## Tritanomaly

48.6145, 0.3181, 0.3048

# Monochromacy



## Original Color

48.4421, 0.3111, 0.2909

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

49.6904, 0.3125, 0.3154

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.4421, 0.3111, 0.2909 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(204, 176, 208)` looks like.

```
.text, #text, p{  
    color:rgb(204, 176, 208)  
}
```

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(204, 176, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 176, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 48.4421, 0.3111, 0.2909 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(204, 176, 208) }
```

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

```
.border{ border-color:rgb(204, 176, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 176, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 176, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 176, 208);  
box-shadow:4px 4px 4px 4px rgb(204, 176,  
208) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.4421, 0.3111, 0.2909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 176, 208) }
```

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

```
.background{ background-color: rgb(204,  
176, 208) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor