

# Converting Colors

$Y_{xy}(48.3561, 0.3146, 0.2914)$

Have a look what the booklet for  
Yxy(48.3561, 0.3146, 0.2914)  
contains.

<b>Yxy(48.4303, 0.3145, 0.2911)</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(48.4303, 0.3145, 0.2911)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFAFCF
RGB	207, 175, 207
RGB Percent	81%, 69%, 81%
CMY	0.1882, 0.3137, 0.1883
CMYK	0.00, 0.15, 0.00, 0.19
HSL	300°, 25%, 75%
HSV	300°, 15%, 81%
XYZ	52.3234, 48.4303, 65.6163
YIQ	188.2160, 8.8000, 16.7360

# Conversions

## Conversions Part 2

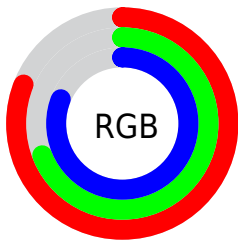
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 175, 207
Decimal	13610959
CIE <sub>Lab</sub>	75.10, 17.13, -11.87
CIE <sub>LCh</sub>	75, 20.843, 325.280
Yxy	48.4303, 0.3145, 0.2911
Android (android.graphics.Color)	4291801039 (0xFFCFAFCF)
YUV	188.2160, 9.2605, 16.4736
Hunter-Lab	69.5919, 12.4212, -7.1886

# Details

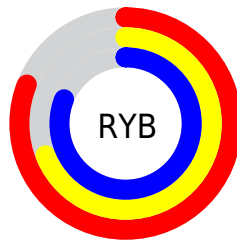
The Yxy color **48.4303, 0.3145, 0.2911** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **56.8358, 0.3108, 0.3701**, and the grayscale version is **50.3621, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6318, 0.3138, 0.3058**, and **22.8944, 0.3138, 0.2800** is the 20% darker color. If you saturate the color by 10%, you get **40.9822, 0.3157, 0.2662**, and if you desaturate by 10%, it is **57.1177, 0.3133, 0.3158**.

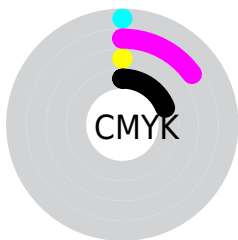
# Distribution



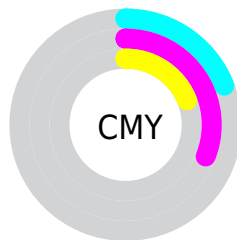
- Red (81%)
- Green (69%)
- Blue (81%)



- Red (81%)
- Yellow (69%)
- Blue (81%)



- Cyan (0%)
- Magenta (15%)
- Yellow (0%)
- Black (19%)




- Cyan (19%)
- Magenta (31%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4303, 0.3145, 0.2911 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 48.4303, 0.3145, 0.2911 by changing the saturation by 10% instead.




 48.4303, 0.3145,  
0.2911

 48.4303, 0.3145,  
0.2911


380.4952, 0.3138,  
0.3094

 34.1678, 0.3146,  
0.2867

 87.8447, 0.3143,  
0.2976

 23.0225, 0.3147,  
0.2812


113.7654, 0.3142,  
0.3001

 14.6101, 0.3147,  
0.2741

144.3410, 0.3142,  
0.3022

 8.5462, 0.3147,  
0.2645

179.9558, 0.3141,  
0.3040

 4.4464, 0.3145,  
0.2508

220.9942, 0.3140,  
0.3056

 1.9263, 0.3136,  
0.2300

267.8406, 0.3140,

 0.5641, 0.3144,

0.3070

0.1848

320.8795, 0.3139,  
0.3083

0.0000, 0.0000,  
0.0000

48.4303, 0.3145,  
0.2911

48.4303, 0.3145,  
0.2911

40.9822, 0.3157,  
0.2662

57.1177, 0.3133,  
0.3158

34.7111, 0.3168,  
0.2419

67.0906, 0.3122,  
0.3397

29.5587, 0.3179,  
0.2191

78.4005, 0.3111,  
0.3624

25.4592, 0.3189,  
0.1988

89.2908, 0.3103,  
0.3808

22.3401, 0.3197,  
0.1818

89.2910, 0.3103,  
0.3808

■ 20.1195, 0.3203,  
0.1688

■ 89.2913, 0.3103,  
0.3808

■ 18.7024, 0.3207,  
0.1601

■ 89.2915, 0.3103,  
0.3808

■ 17.9724, 0.3209,  
0.1555

■ 89.2917, 0.3103,  
0.3808

■ 17.7681, 0.3210,  
0.1542

■ 89.2919, 0.3103,  
0.3808

# Harmonies

## Analogous

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



48.4303, 0.2867, 0.2820



48.4303, 0.3145, 0.2911



48.4303, 0.3430, 0.3092

# Triad

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



48.4303, 0.3145, 0.2911



48.4303, 0.3601, 0.3739



48.4303, 0.2641, 0.3221

# Complementary

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



48.4303, 0.3145, 0.2911



56.8358, 0.3108, 0.3701

# 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.



48.4303, 0.2822, 0.3495



48.4303, 0.3145, 0.2911



48.4303, 0.3375, 0.3803

# Square

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



48.4303, 0.3145, 0.2911



48.4303, 0.3700, 0.3560



48.4303, 0.3089, 0.3715



48.4303, 0.2586, 0.2983



# Rectangle

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



48.4303, 0.3145, 0.2911



48.4303, 0.3582, 0.3244



48.4303, 0.3089, 0.3715



48.4303, 0.2689, 0.3312

# Sweetspot

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



48.4324, 0.3145, 0.2911



92.1330, 0.3133, 0.3168



44.2821, 0.2879, 0.2879



19.4927, 0.3134, 0.3151



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.



48.4324, 0.3145, 0.2911



72.8872, 0.3149, 0.2817



47.6895, 0.3277, 0.3097



12.0090, 0.3138, 0.3061



11.1948, 0.3210, 0.1542



0.6260, 0.3210, 0.1542



# Inverse Universe

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



48.4324, 0.3145, 0.2911



72.8872, 0.3149, 0.2817



57.5018, 0.2999, 0.3492



12.0090, 0.3138, 0.3061



11.1948, 0.3210, 0.1542

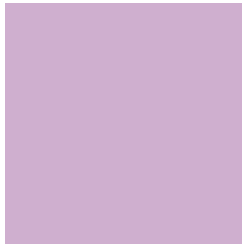


0.6260, 0.3210, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 48.4303, 0.3145, 0.2911 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

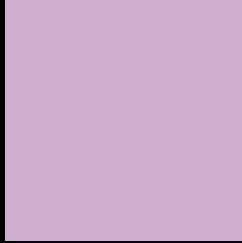
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.4303, 0.3145, 0.2911 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

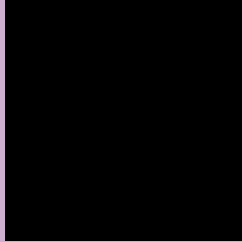
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.4303, 0.3145, 0.2911**

## Background



This preview shows how black text looks on a background with the Yxy color 48.4303, 0.3145, 0.2911.



This preview shows how white text looks on a background with the Yxy color 48.4303, 0.3145, 0.2911.

# 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

48.4303, 0.3145, 0.2911

### Protanopia

48.7884, 0.2880, 0.2928

### Deuteranopia

48.4362, 0.3034, 0.2971



## Tritanopia

48.6257, 0.3248, 0.3121

# Trichromacy



## Original Color

48.4303, 0.3145, 0.2911

## Protanomaly

48.6980, 0.2972, 0.2922

## Deuteranomaly

48.3028, 0.3075, 0.2950

## Tritanomaly

48.5973, 0.3216, 0.3050

# Monochromacy



## Original Color

48.4303, 0.3145, 0.2911

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

49.4092, 0.3134, 0.3142

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.4303, 0.3145, 0.2911 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(207, 175, 207)` looks like.

```
.text, #text, p{  
    color:rgb(207, 175, 207)  
}
```

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(207, 175, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 175, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 48.4303, 0.3145, 0.2911 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(207, 175, 207) }
```

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

```
.border{ border-color:rgb(207, 175, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 175, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 175, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 175, 207);  
box-shadow:4px 4px 4px 4px rgb(207, 175,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.4303, 0.3145, 0.2911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 175, 207) }
```

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

```
.background{ background-color: rgb(207,  
175, 207) }
```

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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