

# Converting Colors

$Yxy(48.9303, 0.3361, 0.2857)$

Have a look what the booklet for  
Yxy(48.9303, 0.3361, 0.2857)  
contains.

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# Color

**Yxy(48.9167, 0.3362, 0.2855)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E6A7CE
RGB	230, 167, 206
RGB Percent	90%, 65%, 81%
CMY	0.0979, 0.3452, 0.1920
CMYK	0.00, 0.27, 0.10, 0.10
HSL	323°, 56%, 78%
HSV	323°, 27%, 90%
XYZ	57.6035, 48.9167, 64.8168
YIQ	190.2830, 25.0290, 25.4850

# Conversions

## Conversions Part 2

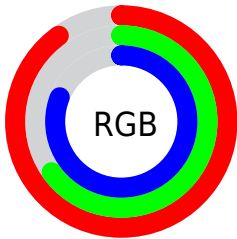
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	230, 167, 206
Decimal	15116238
CIE Lab	75.40, 29.17, -10.66
CIE LCh	75, 31.053, 339.926
Yxy	48.9167, 0.3362, 0.2855
Android (android.graphics.Color)	4293306318 (0xFFE6A7CE)
YUV	190.2830, 7.7485, 34.8318
Hunter-Lab	69.9405, 24.6181, -5.9882

# Details

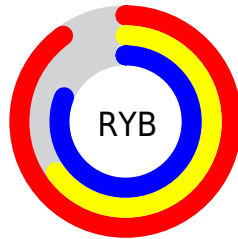
The Yxy color **48.9167, 0.3362, 0.2855** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **68.5886, 0.2949, 0.3770**, and the grayscale version is **51.6104, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2554, 0.3142, 0.2980**, and **23.3003, 0.3424, 0.2738** is the 20% darker color. If you saturate the color by 10%, you get **40.8138, 0.3477, 0.2692**, and if you desaturate by 10%, it is **58.5467, 0.3263, 0.3019**.

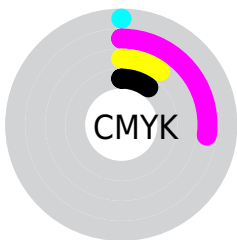
# Distribution



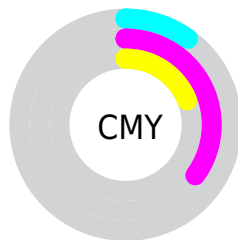
- Red (90%)
- Green (65%)
- Blue (81%)



- Red (90%)
- Yellow (65%)
- Blue (81%)



- Cyan (0%)
- Magenta (27%)
- Yellow (10%)
- Black (10%)




- Cyan (10%)
- Magenta (35%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.9167, 0.3362, 0.2855 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 48.9167, 0.3362, 0.2855 by changing the saturation by 10% instead.





 48.9167, 0.3362,  
0.2855


 48.9167, 0.3362,  
0.2855


382.4143, 0.3249,  
0.3063

 34.5534, 0.3389,  
0.2806


 88.5677, 0.3322,  
0.2928

 23.3191, 0.3422,  
0.2744

 114.6242, 0.3307,  
0.2957

 14.8293, 0.3466,  
0.2665


145.3473, 0.3294,  
0.2981

 8.6997, 0.3524,  
0.2559

181.1213, 0.3282,  
0.3002

 4.5458, 0.3607,  
0.2410

222.3306, 0.3273,  
0.3020

 1.9833, 0.3732,  
0.2186

269.3596, 0.3264,

 0.5978, 0.3976,

0.3036

0.1747

322.5927, 0.3256,  
0.3050

0.0000, 0.5446,  
0.0000

0.0000, 0.0000,  
0.0000

48.9167, 0.3362,  
0.2855

48.9167, 0.3362,  
0.2855

40.8138, 0.3477,  
0.2692

58.5467, 0.3263,  
0.3019

34.1515, 0.3610,  
0.2536

69.7712, 0.3180,  
0.3177

28.8449, 0.3759,  
0.2398

82.6615, 0.3110,  
0.3328

24.7973, 0.3922,  
0.2288

94.7036, 0.3053,  
0.3430

■ 21.8991, 0.4094,  
0.2219

■ 95.2398, 0.3004,  
0.3341

■ 20.0217, 0.4269,  
0.2199

■ 95.5689, 0.2976,  
0.3290

■ 18.9940, 0.4439,  
0.2231

■ 18.7955, 0.4484,  
0.2244

# Harmonies

## Analogous

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



48.9167, 0.2929, 0.2657



48.9167, 0.3362, 0.2855



48.9167, 0.3751, 0.3153

# Triad

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



48.9167, 0.3362, 0.2855



48.9167, 0.3675, 0.4029



48.9167, 0.2357, 0.2990

# Complementary

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



48.9167, 0.3362, 0.2855



68.5886, 0.2949, 0.3770

# 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.



48.9167, 0.2529, 0.3390



48.9167, 0.3362, 0.2855



48.9167, 0.3281, 0.4033

# Square

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



48.9167, 0.3362, 0.2855



48.9167, 0.3932, 0.3818



48.9167, 0.2862, 0.3792



48.9167, 0.2374, 0.2712



# Rectangle

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



48.9167, 0.3362, 0.2855



48.9167, 0.3919, 0.3382



48.9167, 0.2862, 0.3792



48.9167, 0.2394, 0.3114

# Sweetspot

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



48.9189, 0.3362, 0.2855



87.1777, 0.3185, 0.3167



44.3081, 0.2829, 0.2539



18.1762, 0.3197, 0.3144



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.



48.9189, 0.3362, 0.2855



55.6548, 0.3427, 0.2760



47.5718, 0.3643, 0.3195



14.5173, 0.3196, 0.3145



10.6618, 0.4458, 0.2230



0.8058, 0.4227, 0.2102



# Inverse Universe

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



48.9189, 0.3362, 0.2855



55.6548, 0.3427, 0.2760



70.0814, 0.2774, 0.3389



14.5173, 0.3196, 0.3145



10.6618, 0.4458, 0.2230



0.8058, 0.4227, 0.2102



# Previews

## White Background



This preview shows how the Yxy color 48.9167, 0.3362, 0.2855 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

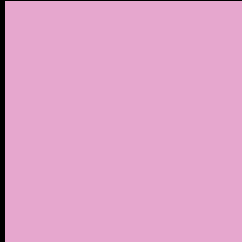
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.9167, 0.3362, 0.2855 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

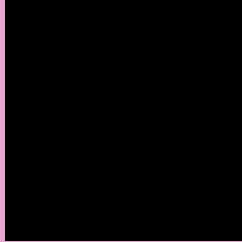
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.9167, 0.3362, 0.2855**

## Background



This preview shows how black text looks on a background with the Yxy color 48.9167, 0.3362, 0.2855.



This preview shows how white text looks on a background with the Yxy color 48.9167, 0.3362, 0.2855.

# 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

48.9167, 0.3362, 0.2855

### Protanopia

49.4110, 0.2852, 0.2894

### Deuteranopia

49.0953, 0.3081, 0.3021



## Tritanopia

48.9174, 0.3525, 0.3142

# Trichromacy



**Original Color**

48.9167, 0.3362, 0.2855

**Protanomaly**

48.6507, 0.3022, 0.2870

**Deuteranomaly**

48.8202, 0.3177, 0.2958

**Tritanomaly**

49.0492, 0.3464, 0.3040

# Monochromacy



**Original Color**

48.9167, 0.3362, 0.2855

**Achromatopsia**

51.4918, 0.3127, 0.3290

**Achromatomaly**

50.4206, 0.3211, 0.3122

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.9167, 0.3362, 0.2855 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(230, 167, 206)` looks like.

```
.text, #text, p{  
    color:rgb(230, 167, 206)  
}
```

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(230, 167, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 167, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 48.9167, 0.3362, 0.2855 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(230, 167, 206) }
```

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

```
.border{ border-color:rgb(230, 167, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 167, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 167, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 167, 206);  
box-shadow:4px 4px 4px 4px rgb(230, 167,  
206) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.9167, 0.3362, 0.2855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 167, 206) }
```

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

```
.background{ background-color: rgb(230,  
167, 206) }
```

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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