

# Converting Colors

Yxy(49.8872, 0.3195, 0.2663)

Have a look what the booklet for  
Yxy(49.8872, 0.3195, 0.2663)  
contains.

<b>Yxy(49.7317, 0.3191, 0.2657)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(49.7317, 0.3191, 0.2657)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E5A7E1
RGB	229, 167, 225
RGB Percent	90%, 65%, 88%
CMY	0.1020, 0.3451, 0.1175
CMYK	0.00, 0.27, 0.02, 0.10
HSL	304°, 54%, 78%
HSV	304°, 27%, 90%
XYZ	59.7267, 49.7317, 77.7140
YIQ	192.1500, 18.3340, 31.1820

# Conversions

## Conversions Part 2

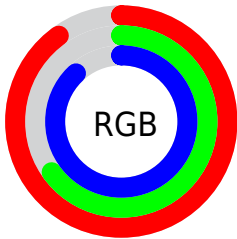
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	229, 167, 225
Decimal	15050721
CIE Lab	75.90, 32.13, -20.28
CIE LCh	76, 37.992, 327.739
Yxy	49.7317, 0.3191, 0.2657
Android (android.graphics.Color)	4293240801 (0xFFE5A7E1)
YUV	192.1500, 16.1950, 32.3174
Hunter-Lab	70.5207, 27.7673, -15.9732

# Details

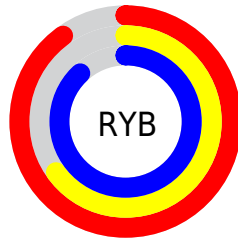
The Yxy color  $49.7317, 0.3191, 0.2657$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $67.1934, 0.3067, 0.4017$ , and the grayscale version is  $52.7020, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $81.2554, 0.3142, 0.2980$ , and  $23.8211, 0.3199, 0.2498$  is the 20% darker color. If you saturate the color by 10%, you get  $41.9938, 0.3218, 0.2426$ , and if you desaturate by 10%, it is  $58.9603, 0.3166, 0.2894$ .

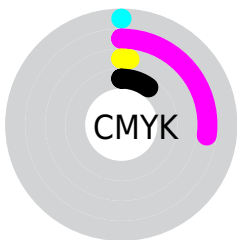
# Distribution



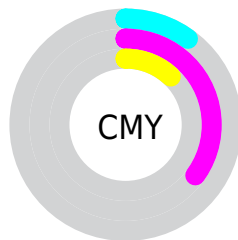
- Red (90%)
- Green (65%)
- Blue (88%)



- Red (90%)
- Yellow (65%)
- Blue (88%)



- Cyan (0%)
- Magenta (27%)
- Yellow (2%)
- Black (10%)




- Cyan (10%)
- Magenta (35%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.7317, 0.3191, 0.2657 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 49.7317, 0.3191, 0.2657 by changing the saturation by 10% instead.




 49.7317, 0.3191,  
0.2657


 49.7317, 0.3191,  
0.2657


385.6158, 0.3166,  
0.2953

 35.2003, 0.3195,  
0.2589


 89.7772, 0.3183,  
0.2760

 23.8172, 0.3200,  
0.2504


 116.0601, 0.3180,  
0.2800

 15.1981, 0.3204,  
0.2397

147.0289, 0.3177,  
0.2835

 8.9585, 0.3208,  
0.2257

183.0681, 0.3175,  
0.2865

 4.7141, 0.3209,  
0.2066

224.5619, 0.3172,  
0.2891

 2.0805, 0.3200,  
0.1793

271.8949, 0.3170,

 0.6536, 0.3173,

0.2914

0.1346

325.4514, 0.3168,  
0.2935

0.0000, 0.2766,  
0.0000

0.0000, 0.0000,  
0.0000

49.7317, 0.3191,  
0.2657

49.7317, 0.3191,  
0.2657

41.9938, 0.3218,  
0.2426

58.9603, 0.3166,  
0.2894

35.6615, 0.3246,  
0.2210

69.7455, 0.3142,  
0.3128

30.6516, 0.3274,  
0.2019

82.1575, 0.3121,  
0.3355

26.8691, 0.3302,  
0.1861

93.9416, 0.3104,  
0.3535

24.2067, 0.3328,  
0.1744

94.0245, 0.3096,  
0.3520

22.5381, 0.3352,  
0.1671

94.1082, 0.3087,  
0.3505

21.6997, 0.3373,  
0.1640

94.1925, 0.3079,  
0.3490

21.5324, 0.3379,  
0.1635

94.2776, 0.3071,  
0.3475

94.3633, 0.3063,  
0.3460

# Harmonies

## Analogous

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



49.7317, 0.2693, 0.2486



49.7317, 0.3191, 0.2657



49.7317, 0.3711, 0.2967

# Triad

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



49.7317, 0.3191, 0.2657



49.7317, 0.3940, 0.4098



49.7317, 0.2259, 0.3102

# Complementary

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



49.7317, 0.3191, 0.2657



67.1934, 0.3067, 0.4017

# 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.



49.7317, 0.2545, 0.3622



49.7317, 0.3191, 0.2657



49.7317, 0.3510, 0.4235

# Square

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



49.7317, 0.3191, 0.2657



49.7317, 0.4157, 0.3765



49.7317, 0.2998, 0.4066



49.7317, 0.2190, 0.2698



# Rectangle

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



49.7317, 0.3191, 0.2657



49.7317, 0.3982, 0.3223



49.7317, 0.2998, 0.4066



49.7317, 0.2332, 0.3270

# Sweetspot

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



49.7339, 0.3191, 0.2657



87.5842, 0.3144, 0.3106



41.8516, 0.2680, 0.2517



18.2792, 0.3148, 0.3071



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.



49.7339, 0.3191, 0.2657



58.1896, 0.3205, 0.2538



48.2310, 0.3452, 0.2975



14.5985, 0.3148, 0.3073



12.3179, 0.3376, 0.1633



0.9151, 0.3349, 0.1619



# Inverse Universe

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



49.7339, 0.3191, 0.2657



58.1896, 0.3205, 0.2538



68.4764, 0.2889, 0.3630



14.5985, 0.3148, 0.3073



12.3179, 0.3376, 0.1633



0.9151, 0.3349, 0.1619



# Previews

## White Background



This preview shows how the Yxy color 49.7317, 0.3191, 0.2657 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

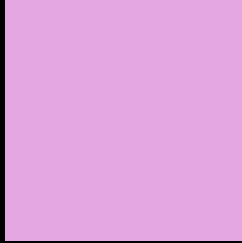
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.7317, 0.3191, 0.2657 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

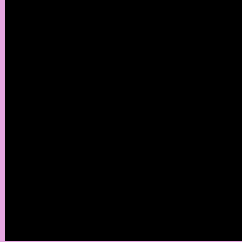
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.7317, 0.3191, 0.2657**

## Background



This preview shows how black text looks on a background with the Yxy color 49.7317, 0.3191, 0.2657.

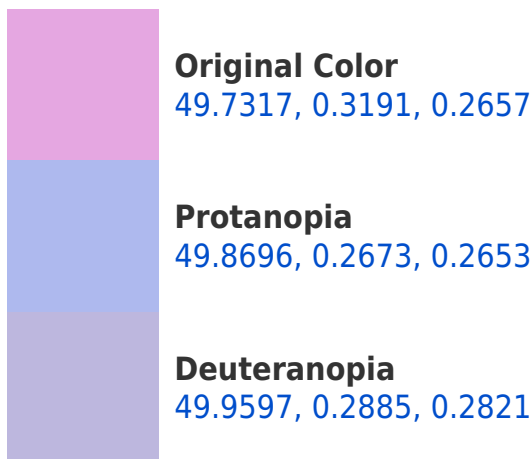


This preview shows how white text looks on a background with the Yxy color 49.7317, 0.3191, 0.2657.

# 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





## Tritanopia

49.7073, 0.3465, 0.3141

# Trichromacy



## Original Color

49.7317, 0.3191, 0.2657



## Protanomaly

49.1933, 0.2845, 0.2647



## Deuteranomaly

49.6094, 0.2995, 0.2755



## Tritanomaly

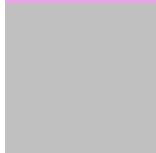
49.5116, 0.3365, 0.2950

# Monochromacy



## Original Color

49.7317, 0.3191, 0.2657



## Achromatopsia

52.7115, 0.3127, 0.3290



## Achromatomaly

51.2057, 0.3147, 0.3040

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.7317, 0.3191, 0.2657 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(229, 167, 225)` looks like.

```
.text, #text, p{  
    color:rgb(229, 167, 225)  
}
```

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(229, 167, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 167, 225) }
```

## Border

The CSS property to change the border of an element to Yxy 49.7317, 0.3191, 0.2657 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(229, 167, 225) }
```

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

```
.border{ border-color:rgb(229, 167, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 167, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 167, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 167, 225);  
box-shadow:4px 4px 4px 4px rgb(229, 167,  
225) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.7317, 0.3191, 0.2657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 167, 225) }
```

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

```
.background{ background-color: rgb(229,  
167, 225) }
```

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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