

# Converting Colors

$Y_{xy}(30.8324, 0.3572, 0.2782)$

Have a look what the booklet for  
Yxy(30.8324, 0.3572, 0.2782)  
contains.

<b>Yxy(30.9479, 0.3576, 0.2785)</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(30.9479, 0.3576, 0.2785)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CD7FA7
RGB	205, 127, 167
RGB Percent	80%, 50%, 65%
CMY	0.1961, 0.5019, 0.3451
CMYK	0.00, 0.38, 0.19, 0.20
HSL	329°, 44%, 65%
HSV	329°, 38%, 80%
XYZ	39.7378, 30.9479, 40.4378
YIQ	154.8820, 33.6480, 28.9760

# Conversions

## Conversions Part 2

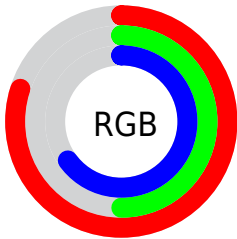
Format	Color
R <sub>Y</sub> B	205, 127, 167
Decimal	13467559
CIE Lab	62.46, 35.67, -8.48
CIE LCh	62, 36.662, 346.629
Yxy	30.9479, 0.3576, 0.2785
Android (android.graphics.Color)	4291657639 (0xFFCD7FA7)
YUV	154.8820, 5.9742, 43.9535
Hunter-Lab	55.6308, 30.1507, -4.1561

# Details

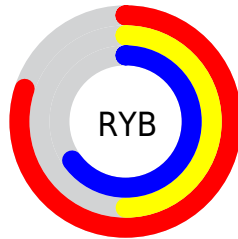
The Yxy color **30.9479, 0.3576, 0.2785** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **50.8846, 0.2838, 0.3863**, and the grayscale version is **32.6865, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5817, 0.3421, 0.2873**, and **12.7962, 0.3718, 0.2633** is the 20% darker color. If you saturate the color by 10%, you get **25.8264, 0.3749, 0.2655**, and if you desaturate by 10%, it is **37.1779, 0.3428, 0.2921**.

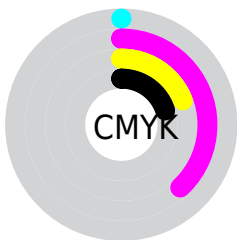
# Distribution



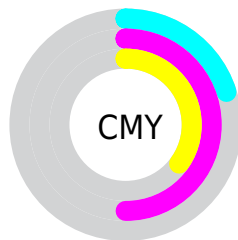
- Red (80%)
- Green (50%)
- Blue (65%)



- Red (80%)
- Yellow (50%)
- Blue (65%)



- Cyan (0%)
- Magenta (38%)
- Yellow (19%)
- Black (20%)




- Cyan (20%)
- Magenta (50%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.9479, 0.3576, 0.2785 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 30.9479, 0.3576, 0.2785 by changing the saturation by 10% instead.





 30.9479, 0.3576,  
0.2785


 30.9479, 0.3576,  
0.2785


306.2982, 0.3342,  
0.3045

 20.5592, 0.3638,  
0.2718


 61.1580, 0.3488,  
0.2881

 12.8022, 0.3720,  
0.2631

 81.7482, 0.3456,  
0.2916

 7.2925, 0.3832,  
0.2512


 106.5077, 0.3429,  
0.2946

 3.6457, 0.3996,  
0.2343

135.8209, 0.3406,  
0.2972

 1.4774, 0.4258,  
0.2083

170.0721, 0.3387,  
0.2994

 0.2727, 0.5004,  
0.1172

209.6458, 0.3370,


 0.0000, 1.0000,

0.3013


0.0000


254.9264, 0.3355,  
0.3030

 0.0000, 0.0000,  
0.0000

 30.9479, 0.3576,  
0.2785

 30.9479, 0.3576,  
0.2785


 25.8264, 0.3749,  
0.2655


 37.1779, 0.3428,  
0.2921


 21.7427, 0.3948,  
0.2542


 44.5729, 0.3302,  
0.3058


 18.6247, 0.4168,  
0.2456


 53.1907, 0.3198,  
0.3189

 16.3890, 0.4403,  
0.2410


 63.0840, 0.3111,  
0.3314

 14.9378, 0.4642,  
0.2414


 74.3023, 0.3040,  
0.3430


 14.1275, 0.4874,  
0.2470

 86.8925, 0.2981,  
0.3538

 13.9993, 0.4919,  
0.2484

 90.6056, 0.2927,  
0.3480

 91.2054, 0.2874,  
0.3374

 91.7168, 0.2832,  
0.3289

# Harmonies

## Analogous

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



30.9479, 0.2976, 0.2494



30.9479, 0.3576, 0.2785



30.9479, 0.4081, 0.3192

# Triad

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



30.9479, 0.3576, 0.2785



30.9479, 0.3749, 0.4336



30.9479, 0.2081, 0.2762

# Complementary

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



30.9479, 0.3576, 0.2785



50.8846, 0.2838, 0.3863

# 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.



30.9479, 0.2245, 0.3283



30.9479, 0.3576, 0.2785



30.9479, 0.3189, 0.4292

# Square

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



30.9479, 0.3576, 0.2785



30.9479, 0.4164, 0.4068



30.9479, 0.2640, 0.3880



30.9479, 0.2160, 0.2452



# Rectangle

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



30.9479, 0.3576, 0.2785



30.9479, 0.4265, 0.3494



30.9479, 0.2640, 0.3880



30.9479, 0.2109, 0.2915

# Sweetspot

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



30.9494, 0.3576, 0.2785



82.5417, 0.3228, 0.3149



27.5567, 0.2772, 0.2242



17.2452, 0.3242, 0.3131



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.



30.9494, 0.3576, 0.2785



43.4215, 0.3723, 0.2673



29.7261, 0.4042, 0.3276



11.3081, 0.3211, 0.3172



8.7359, 0.4888, 0.2467



0.4660, 0.4473, 0.2238



# Inverse Universe

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



30.9494, 0.3576, 0.2785



43.4215, 0.3723, 0.2673



52.5126, 0.2609, 0.3306



11.3081, 0.3211, 0.3172



8.7359, 0.4888, 0.2467

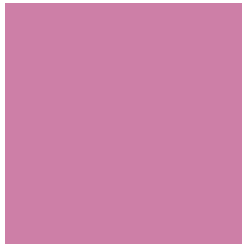


0.4660, 0.4473, 0.2238



# Previews

## White Background



This preview shows how the Yxy color 30.9479, 0.3576, 0.2785 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

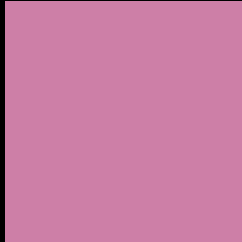
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 30.9479, 0.3576, 0.2785 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

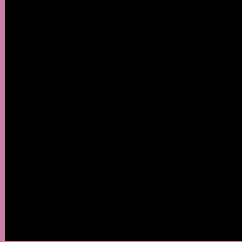
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 30.9479, 0.3576, 0.2785**

## **Background**



This preview shows how black text looks on a background with the Yxy color 30.9479, 0.3576, 0.2785.



This preview shows how white text looks on a background with the Yxy color 30.9479, 0.3576, 0.2785.

# 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

30.9479, 0.3576, 0.2785

### Protanopia

31.2098, 0.2798, 0.2815

### Deuteranopia

31.0888, 0.3118, 0.3054



## Tritanopia

31.0121, 0.3822, 0.3161

# Trichromacy



## Original Color

30.9479, 0.3576, 0.2785

## Protanomaly

30.7358, 0.3048, 0.2793

## Deuteranomaly

30.7836, 0.3281, 0.2953

## Tritanomaly

30.8961, 0.3733, 0.3020

# Monochromacy



## Original Color

30.9479, 0.3576, 0.2785

## Achromatopsia

32.7778, 0.3127, 0.3290

## Achromatomaly

31.6382, 0.3283, 0.3090

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.9479, 0.3576, 0.2785 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(205, 127, 167)` looks like.

```
.text, #text, p{  
    color:rgb(205, 127, 167)  
}
```

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(205, 127, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 127, 167) }
```

## Border

The CSS property to change the border of an element to Yxy 30.9479, 0.3576, 0.2785 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(205, 127, 167) }
```

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

```
.border{ border-color:rgb(205, 127, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 127, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(205, 127, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(205, 127, 167); box-shadow:4px 4px 4px 4px rgb(205, 127, 167) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.9479, 0.3576, 0.2785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 127, 167) }
```

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

```
.background{ background-color: rgb(205,  
127, 167) }
```

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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