

# Converting Colors

$Y_{xy}(30.3198, 0.3229, 0.2491)$

Have a look what the booklet for  
Yxy(30.3198, 0.3229, 0.2491)  
contains.

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# Color

**Yxy(30.1979, 0.3229, 0.2490)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C37EBD
RGB	195, 126, 189
RGB Percent	76%, 49%, 74%
CMY	0.2351, 0.5060, 0.2588
CMYK	0.00, 0.35, 0.03, 0.24
HSL	305°, 37%, 63%
HSV	305°, 35%, 76%
XYZ	39.1602, 30.1979, 51.9186
YIQ	153.8130, 20.9010, 34.2210

# Conversions

## Conversions Part 2

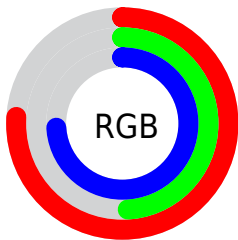
<b>Format</b>	<b>Color</b>
<b>RYB</b>	195, 126, 189
Decimal	12811965
CIELab	61.82, 36.60, -22.07
CIElCh	62, 42.741, 328.913
Yxy	30.1979, 0.3229, 0.2490
Android (android.graphics.Color)	4291002045 (0xFFC37EBD)
YUV	153.8130, 17.3472, 36.1210
Hunter-Lab	54.9526, 31.0353, -17.5496

# Details

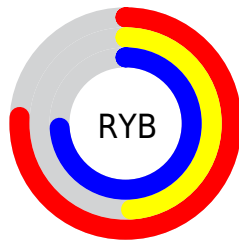
The Yxy color **30.1979, 0.3229, 0.2490** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **45.1473, 0.3038, 0.4248**, and the grayscale version is **32.1452, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.1177, 0.3222, 0.2642**, and **12.3852, 0.3237, 0.2256** is the 20% darker color. If you saturate the color by 10%, you get **25.6156, 0.3263, 0.2276**, and if you desaturate by 10%, it is **35.7560, 0.3197, 0.2716**.

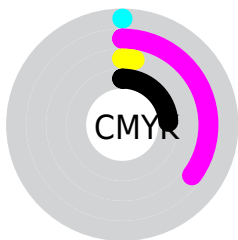
# Distribution



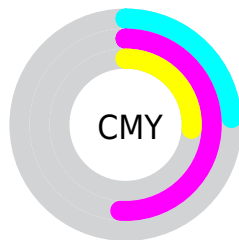
- Red (76%)
- Green (49%)
- Blue (74%)



- Red (76%)
- Yellow (49%)
- Blue (74%)



- Cyan (0%)
- Magenta (35%)
- Yellow (3%)
- Black (24%)




- Cyan (24%)
- Magenta (51%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.1979, 0.3229, 0.2490 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 30.1979, 0.3229, 0.2490 by changing the saturation by 10% instead.





 30.1979, 0.3229,  
0.2490


 30.1979, 0.3229,  
0.2490


302.8258, 0.3186,  
0.2890


 19.9888, 0.3237,  
0.2391


 59.9750, 0.3215,  
0.2635

 12.3869, 0.3246,  
0.2264


 80.3118, 0.3210,  
0.2690

 7.0078, 0.3254,  
0.2096


 104.7934, 0.3204,  
0.2736

 3.4670, 0.3258,  
0.1867

133.8041, 0.3200,  
0.2776

 1.3801, 0.3250,  
0.1538

167.7283, 0.3196,  
0.2810

 0.2020, 0.3348,  
0.0609

206.9504, 0.3192,

 0.0000, 0.0564,

0.2840

0.0000

251.8547, 0.3189,  
0.2867

0.0000, 0.0000,  
0.0000

30.1979, 0.3229,  
0.2490

30.1979, 0.3229,  
0.2490

25.6156, 0.3263,  
0.2276

35.7560, 0.3197,  
0.2716

21.9484, 0.3298,  
0.2084

42.3381, 0.3167,  
0.2945

19.1349, 0.3334,  
0.1922


49.9940, 0.3140,  
0.3171


17.1047, 0.3368,  
0.1798


58.7689, 0.3117,  
0.3389


15.7762, 0.3400,  
0.1717


68.7058, 0.3096,  
0.3594

 15.0488, 0.3429,  
0.1679

 79.8450, 0.3077,  
0.3786

 14.8229, 0.3442,  
0.1670

 87.3403, 0.3064,  
0.3889

 87.4208, 0.3054,  
0.3869

 87.5021, 0.3045,  
0.3850

# Harmonies

## Analogous

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



30.1979, 0.2576, 0.2265



30.1979, 0.3229, 0.2490



30.1979, 0.3924, 0.2881

# Triad

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



30.1979, 0.3229, 0.2490



30.1979, 0.4159, 0.4344



30.1979, 0.1996, 0.2994

# Complementary

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



30.1979, 0.3229, 0.2490



45.1473, 0.3038, 0.4248

# 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.



30.1979, 0.2338, 0.3703



30.1979, 0.3229, 0.2490



30.1979, 0.3580, 0.4558

# Square

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



30.1979, 0.3229, 0.2490



30.1979, 0.4478, 0.3892



30.1979, 0.2913, 0.4334



30.1979, 0.1928, 0.2488



# Rectangle

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



30.1979, 0.3229, 0.2490



30.1979, 0.4283, 0.3203



30.1979, 0.2913, 0.4334



30.1979, 0.2080, 0.3217

# Sweetspot

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



30.1992, 0.3229, 0.2490



81.3614, 0.3156, 0.3042



23.7435, 0.2543, 0.2254



17.4108, 0.3159, 0.3010



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.



30.1992, 0.3229, 0.2490



47.9510, 0.3254, 0.2333



28.8827, 0.3611, 0.2907



10.2319, 0.3151, 0.3082



9.6362, 0.3439, 0.1668



0.4209, 0.3382, 0.1637



# Inverse Universe

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



30.1992, 0.3229, 0.2490



47.9510, 0.3254, 0.2333



46.2442, 0.2812, 0.3713



10.2319, 0.3151, 0.3082



9.6362, 0.3439, 0.1668

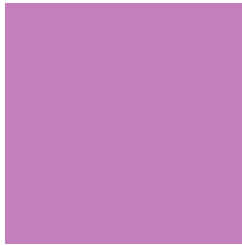


0.4209, 0.3382, 0.1637



# Previews

## White Background



This preview shows how the Yxy color 30.1979, 0.3229, 0.2490 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

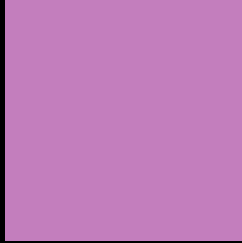
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 30.1979, 0.3229, 0.2490 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

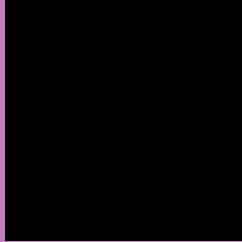
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 30.1979, 0.3229, 0.2490**

## **Background**



This preview shows how black text looks on a background with the Yxy color 30.1979, 0.3229, 0.2490.



This preview shows how white text looks on a background with the Yxy color 30.1979, 0.3229, 0.2490.

# 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

30.1979, 0.3229, 0.2490

### Protanopia

30.5741, 0.2525, 0.2468

### Deuteranopia

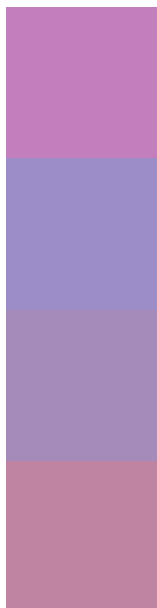
30.4812, 0.2780, 0.2730



## Tritanopia

30.1911, 0.3631, 0.3154

# Trichromacy



## Original Color

30.1979, 0.3229, 0.2490

## Protanomaly

29.9476, 0.2751, 0.2467

## Deuteranomaly

29.9029, 0.2936, 0.2628

## Tritanomaly

30.1521, 0.3479, 0.2901

# Monochromacy



## Original Color

30.1979, 0.3229, 0.2490

## Achromatopsia

32.3143, 0.3127, 0.3290

## Achromatomaly

31.1716, 0.3163, 0.2960

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.1979, 0.3229, 0.2490 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(195, 126, 189)` looks like.

```
.text, #text, p{  
    color:rgb(195, 126, 189)  
}
```

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(195, 126, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 126, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 30.1979, 0.3229, 0.2490 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(195, 126, 189) }
```

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

```
.border{ border-color:rgb(195, 126, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 126, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 126, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 126, 189); box-shadow:4px 4px 4px 4px rgb(195, 126, 189) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.1979, 0.3229, 0.2490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 126, 189) }
```

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

```
.background{ background-color: rgb(195,  
126, 189) }
```

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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