

# Converting Colors

$Y_{xy}(29.7855, 0.3170, 0.2402)$

Have a look what the booklet for  
Yxy(29.7855, 0.3170, 0.2402)  
contains.

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# Color

**Yxy(29.7797, 0.3169, 0.2408)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C27CC2
RGB	194, 124, 194
RGB Percent	76%, 49%, 76%
CMY	0.2392, 0.5137, 0.2394
CMYK	0.00, 0.36, 0.00, 0.24
HSL	300°, 36%, 62%
HSV	300°, 36%, 76%
XYZ	39.1910, 29.7797, 54.6992
YIQ	152.9100, 19.2500, 36.6100

# Conversions

## Conversions Part 2

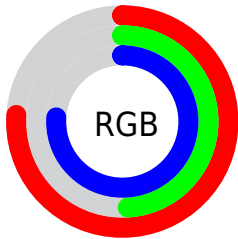
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	194, 124, 194
Decimal	12745922
CIE <sub>Lab</sub>	61.46, 38.26, -25.43
CIE <sub>LCh</sub>	61, 45.938, 326.384
Yxy	29.7797, 0.3169, 0.2408
Android (android.graphics.Color)	4290936002 (0xFFC27CC2)
YUV	152.9100, 20.2574, 36.0359
Hunter-Lab	54.5708, 32.6941, -21.2300

# Details

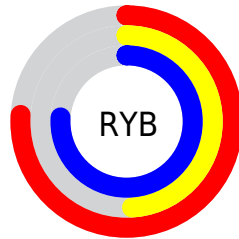
The Yxy color  $29.7797, 0.3169, 0.2408$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $44.3287, 0.3076, 0.4364$ , and the grayscale version is  $31.7189, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $59.5013, 0.3169, 0.2566$ , and  $12.1475, 0.3165, 0.2164$  is the 20% darker color. If you saturate the color by 10%, you get  $25.3865, 0.3180, 0.2182$ , and if you desaturate by 10%, it is  $35.1321, 0.3158, 0.2649$ .

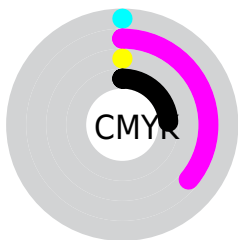
# Distribution



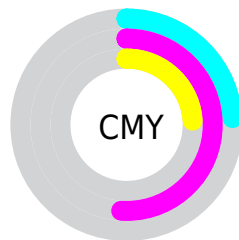
- Red (76%)
- Green (49%)
- Blue (76%)



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



- Cyan (0%)
- Magenta (36%)
- Yellow (0%)
- Black (24%)




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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.7797, 0.3169, 0.2408 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 29.7797, 0.3169, 0.2408 by changing the saturation by 10% instead.




 29.7797, 0.3169,  
0.2408


 29.7797, 0.3169,  
0.2408


300.8762, 0.3160,  
0.2847


 19.6714, 0.3167,  
0.2300


 59.3136, 0.3168,  
0.2567

 12.1564, 0.3163,  
0.2163


 79.5080, 0.3167,  
0.2626

 6.8503, 0.3153,  
0.1983


 103.8333, 0.3166,  
0.2677

 3.3687, 0.3130,  
0.1740

132.6739, 0.3165,  
0.2721

 1.3271, 0.3077,  
0.1397

166.4140, 0.3163,  
0.2759

 0.1620, 0.3085,  
0.0449

205.4382, 0.3162,

 0.0000, 0.0455,

0.2792


0.0000


250.1308, 0.3161,  
0.2821


 0.0000, 0.0000,  
0.0000


 29.7797, 0.3169,  
0.2408


 29.7797, 0.3169,  
0.2408

 25.3865, 0.3180,  
0.2182

 35.1321, 0.3158,  
0.2649

 21.8922, 0.3189,  
0.1981


 41.4916, 0.3146,  
0.2897


 19.2358, 0.3197,  
0.1813


 48.9074, 0.3134,  
0.3144


 17.3473, 0.3204,  
0.1686


 57.4245, 0.3123,  
0.3382

 16.1450, 0.3208,  
0.1600

 67.0854, 0.3112,  
0.3609

 15.5254, 0.3210,  
0.1555

 77.9301, 0.3102,  
0.3821

 15.3601, 0.3211,  
0.1542

 86.8873, 0.3095,  
0.3969

 86.8879, 0.3095,  
0.3969

 86.8884, 0.3095,  
0.3969

# Harmonies

## Analogous

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



29.7797, 0.2483, 0.2187



29.7797, 0.3169, 0.2408



29.7797, 0.3928, 0.2809

# Triad

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



29.7797, 0.3169, 0.2408



29.7797, 0.4271, 0.4379



29.7797, 0.1936, 0.3022

# Complementary

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



29.7797, 0.3169, 0.2408



44.3287, 0.3076, 0.4364

# 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.



29.7797, 0.2321, 0.3803



29.7797, 0.3169, 0.2408



29.7797, 0.3663, 0.4657

# Square

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



29.7797, 0.3169, 0.2408



29.7797, 0.4591, 0.3876



29.7797, 0.2949, 0.4469



29.7797, 0.1842, 0.2459



# Rectangle

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



29.7797, 0.3169, 0.2408



29.7797, 0.4335, 0.3144



29.7797, 0.2949, 0.4469



29.7797, 0.2032, 0.3269

# Sweetspot

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



29.7810, 0.3169, 0.2408



81.5131, 0.3140, 0.3019



22.5985, 0.2478, 0.2217



17.4481, 0.3142, 0.2985



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.



29.7810, 0.3169, 0.2408



47.7473, 0.3177, 0.2234



28.3911, 0.3554, 0.2825



10.2474, 0.3138, 0.3063



10.0981, 0.3211, 0.1542



0.4363, 0.3210, 0.1542



# Inverse Universe

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



29.7810, 0.3169, 0.2408



47.7473, 0.3177, 0.2234



45.3756, 0.2845, 0.3812



10.2474, 0.3138, 0.3063



10.0981, 0.3211, 0.1542

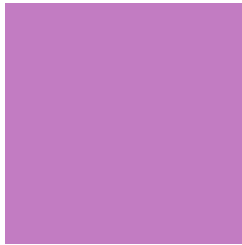


0.4363, 0.3210, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 29.7797, 0.3169, 0.2408 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

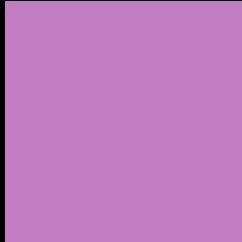
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 29.7797, 0.3169, 0.2408 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

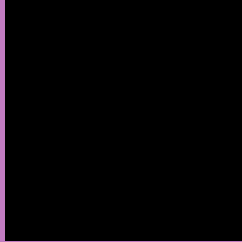
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 29.7797, 0.3169, 0.2408**

## Background



This preview shows how black text looks on a background with the Yxy color 29.7797, 0.3169, 0.2408.



This preview shows how white text looks on a background with the Yxy color 29.7797, 0.3169, 0.2408.

# 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

29.7797, 0.3169, 0.2408

### Protanopia

30.2377, 0.2454, 0.2375

### Deuteranopia

30.0263, 0.2704, 0.2642



## Tritanopia

29.7552, 0.3634, 0.3153

# Trichromacy



**Original Color**

29.7797, 0.3169, 0.2408

**Protanomaly**

29.6453, 0.2676, 0.2376

**Deuteranomaly**

29.5156, 0.2863, 0.2546

**Tritanomaly**

29.5210, 0.3461, 0.2859

# Monochromacy



**Original Color**

29.7797, 0.3169, 0.2408

**Achromatopsia**

31.8547, 0.3127, 0.3290

**Achromatomaly**

30.4980, 0.3145, 0.2916

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 29.7797, 0.3169, 0.2408 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(194, 124, 194)` looks like.

```
.text, #text, p{  
    color:rgb(194, 124, 194)  
}
```

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(194, 124, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 124, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 29.7797, 0.3169, 0.2408 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(194, 124, 194) }
```

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

```
.border{ border-color:rgb(194, 124, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 124, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 124, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 124, 194);  
box-shadow:4px 4px 4px 4px rgb(194, 124,  
194) }
```



# Background

The CSS property to change the background color of an element to Yxy 29.7797, 0.3169, 0.2408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 124, 194) }
```

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

```
.background{ background-color: rgb(194,  
124, 194) }
```

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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