

# Converting Colors

$Y_{xy}(29.9613, 0.3205, 0.2386)$

Have a look what the booklet for  
Yxy(29.9613, 0.3205, 0.2386)  
contains.

<b>Yxy(29.8650, 0.3202, 0.2385)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(29.8650, 0.3202, 0.2385)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C67AC3
RGB	198, 122, 195
RGB Percent	78%, 48%, 76%
CMY	0.2235, 0.5215, 0.2354
CMYK	0.00, 0.38, 0.02, 0.22
HSL	302°, 40%, 63%
HSV	302°, 38%, 78%
XYZ	40.0955, 29.8650, 55.2596
YIQ	153.0460, 21.8630, 38.8150

# Conversions

## Conversions Part 2

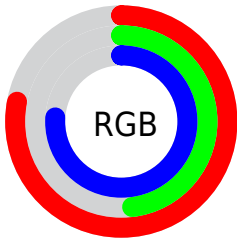
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">198, 122, 195</a>
Decimal	<a href="#">13007555</a>
CIELab	<a href="#">61.54, 40.78, -25.85</a>
CIELCh	<a href="#">62, 48.279, 327.633</a>
Yxy	<a href="#">29.8650, 0.3202, 0.2385</a>
Android (android.graphics.Color)	<a href="#">4291197635 (0xFFC67AC3)</a>
YUV	<a href="#">153.0460, 20.6833, 39.4247</a>
Hunter-Lab	<a href="#">54.6489, 35.3286, -21.6984</a>

# Details

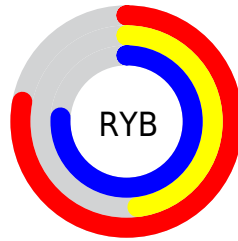
The Yxy color  $29.8650, 0.3202, 0.2385$  is a light color, and the websafe version is hex `CC66CC`. A complement of this color would be  $46.0094, 0.3054, 0.4401$ , and the grayscale version is  $31.7784, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $59.3389, 0.3186, 0.2543$ , and  $12.2692, 0.3212, 0.2143$  is the 20% darker color. If you saturate the color by 10%, you get  $25.4531, 0.3223, 0.2169$ , and if you desaturate by 10%, it is  $35.2703, 0.3181, 0.2617$ .

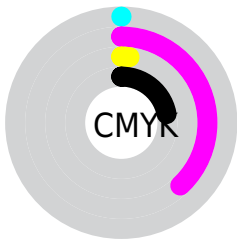
# Distribution



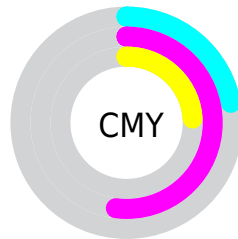
- Red (78%)
- Green (48%)
- Blue (76%)



- Red (78%)
- Yellow (48%)
- Blue (76%)



- Cyan (0%)
- Magenta (38%)
- Yellow (2%)
- Black (22%)




- Cyan (22%)
- Magenta (52%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.8650, 0.3202, 0.2385 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 29.8650, 0.3202, 0.2385 by changing the saturation by 10% instead.





 29.8650, 0.3202,  
0.2385

 29.8650, 0.3202,  
0.2385


301.2747, 0.3176,  
0.2834


 19.7361, 0.3205,  
0.2275


 59.4486, 0.3195,  
0.2547

 12.2034, 0.3205,  
0.2136


 79.6722, 0.3192,  
0.2608

 6.8824, 0.3202,  
0.1955


 104.0294, 0.3189,  
0.2660

 3.3886, 0.3189,  
0.1710

132.9047, 0.3186,  
0.2704

 1.3378, 0.3151,  
0.1367

166.6825, 0.3183,  
0.2743

 0.1702, 0.3179,  
0.0452

205.7472, 0.3181,

 0.0000, 0.1178,

0.2777

0.0000

250.4831, 0.3178,  
0.2807

0.0000, 0.0000,  
0.0000

29.8650, 0.3202,  
0.2385

29.8650, 0.3202,  
0.2385

25.4531, 0.3223,  
0.2169

35.2703, 0.3181,  
0.2617

21.9701, 0.3244,  
0.1979

41.7205, 0.3161,  
0.2856

19.3500, 0.3264,  
0.1824


49.2682, 0.3142,  
0.3095


17.5169, 0.3281,  
0.1709


57.9614, 0.3124,  
0.3327


16.3812, 0.3297,  
0.1636

67.8452, 0.3109,  
0.3548


 15.8029, 0.3310,  
0.1603

 78.9622, 0.3094,  
0.3754

 15.7276, 0.3312,  
0.1598

 87.7198, 0.3084,  
0.3890

 87.7570, 0.3080,  
0.3881

 87.7945, 0.3075,  
0.3872

# Harmonies

## Analogous

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



29.8650, 0.2478, 0.2147



29.8650, 0.3202, 0.2385



29.8650, 0.3998, 0.2807

# Triad

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



29.8650, 0.3202, 0.2385



29.8650, 0.4297, 0.4441



29.8650, 0.1874, 0.2974

# Complementary

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



29.8650, 0.3202, 0.2385



46.0094, 0.3054, 0.4401

# 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.



29.8650, 0.2259, 0.3793



29.8650, 0.3202, 0.2385



29.8650, 0.3651, 0.4730

# Square

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



29.8650, 0.3202, 0.2385



29.8650, 0.4653, 0.3916



29.8650, 0.2904, 0.4515



29.8650, 0.1792, 0.2400



# Rectangle

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



29.8650, 0.3202, 0.2385



29.8650, 0.4417, 0.3156



29.8650, 0.2904, 0.4515



29.8650, 0.1968, 0.3230

# Sweetspot

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



29.8663, 0.3202, 0.2385



81.9280, 0.3149, 0.3005



22.3248, 0.2450, 0.2141



17.1537, 0.3151, 0.2973



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.



29.8663, 0.3202, 0.2385



46.2727, 0.3220, 0.2204



28.3783, 0.3622, 0.2826



10.8090, 0.3144, 0.3071



10.2310, 0.3311, 0.1597



0.4868, 0.3288, 0.1585



# Inverse Universe

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



29.8663, 0.3202, 0.2385



46.2727, 0.3220, 0.2204



47.1554, 0.2814, 0.3814



10.8090, 0.3144, 0.3071



10.2310, 0.3311, 0.1597

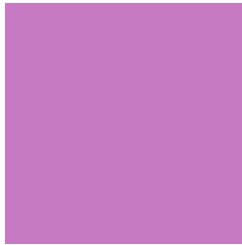


0.4868, 0.3288, 0.1585



# Previews

## White Background



This preview shows how the Yxy color 29.8650, 0.3202, 0.2385 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

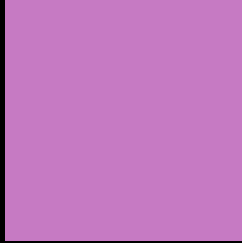
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 29.8650, 0.3202, 0.2385 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

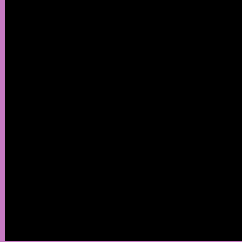
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 29.8650, 0.3202, 0.2385**

## **Background**



This preview shows how black text looks on a background with the Yxy color 29.8650, 0.3202, 0.2385.



This preview shows how white text looks on a background with the Yxy color 29.8650, 0.3202, 0.2385.

# 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

29.8650, 0.3202, 0.2385

### Protanopia

30.3117, 0.2429, 0.2339

### Deuteranopia

30.0701, 0.2696, 0.2629



## Tritanopia

29.8346, 0.3683, 0.3155

# Trichromacy



## Original Color

29.8650, 0.3202, 0.2385



## Protanomaly

29.4543, 0.2660, 0.2340



## Deuteranomaly

29.3785, 0.2863, 0.2521



## Tritanomaly

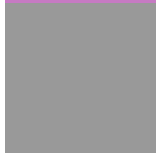
29.7785, 0.3508, 0.2852

# Monochromacy



## Original Color

29.8650, 0.3202, 0.2385



## Achromatopsia

31.8547, 0.3127, 0.3290



## Achromatomaly

30.6082, 0.3155, 0.2917

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 29.8650, 0.3202, 0.2385 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(198, 122, 195)` looks like.

```
.text, #text, p{  
    color:rgb(198, 122, 195)  
}
```

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(198, 122, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 122, 195) }
```

## Border

The CSS property to change the border of an element to Yxy 29.8650, 0.3202, 0.2385 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(198, 122, 195) }
```

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

```
.border{ border-color:rgb(198, 122, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 122, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 122, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 122, 195);  
box-shadow:4px 4px 4px 4px rgb(198, 122,  
195) }
```



# Background

The CSS property to change the background color of an element to Yxy 29.8650, 0.3202, 0.2385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 122, 195) }
```

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

```
.background{ background-color: rgb(198,  
122, 195) }
```

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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