

# Converting Colors

$Yxy(38.7585, 0.3325, 0.2812)$

Have a look what the booklet for  
Yxy(38.7585, 0.3325, 0.2812)  
contains.

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# Color

**Yxy(38.7522, 0.3326, 0.2813)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CF96BD
RGB	207, 150, 189
RGB Percent	81%, 59%, 74%
CMY	0.1883, 0.4117, 0.2590
CMYK	0.00, 0.28, 0.09, 0.19
HSL	319°, 37%, 70%
HSV	319°, 28%, 81%
XYZ	45.8193, 38.7522, 53.1896
YIQ	171.4890, 21.4530, 24.2130

# Conversions

## Conversions Part 2

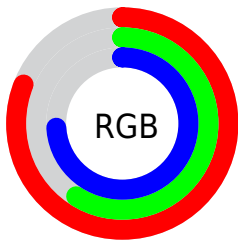
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 150, 189
Decimal	13604541
CIE <sub>Lab</sub>	68.57, 27.52, -11.70
CIE <sub>LCh</sub>	69, 29.902, 336.963
Yxy	38.7522, 0.3326, 0.2813
Android (android.graphics.Color)	4291794621 (0xFFCF96BD)
YUV	171.4890, 8.6329, 31.1431
Hunter-Lab	62.2513, 22.4432, -7.0835

# Details

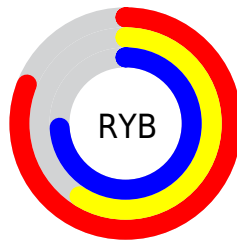
The Yxy color **38.7522, 0.3326, 0.2813** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **53.9366, 0.2973, 0.3821**, and the grayscale version is **40.9314, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.5152, 0.3220, 0.2895**, and **17.1883, 0.3378, 0.2668** is the 20% darker color. If you saturate the color by 10%, you get **32.4424, 0.3421, 0.2636**, and if you desaturate by 10%, it is **46.2452, 0.3243, 0.2991**.

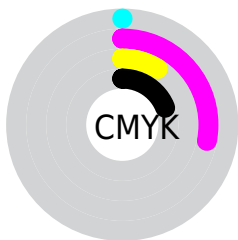
# Distribution



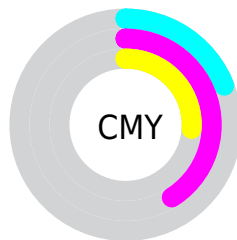
- Red (81%)
- Green (59%)
- Blue (74%)



- Red (81%)
- Yellow (59%)
- Blue (74%)



- Cyan (0%)
- Magenta (28%)
- Yellow (9%)
- Black (19%)




- Cyan (19%)
- Magenta (41%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.7522, 0.3326, 0.2813 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 38.7522, 0.3326, 0.2813 by changing the saturation by 10% instead.





 38.7522, 0.3326,  
0.2813


 38.7522, 0.3326,  
0.2813


340.8358, 0.3228,  
0.3049

 26.5670, 0.3350,  
0.2755


 73.2596, 0.3291,  
0.2898

 17.2483, 0.3381,  
0.2680


 96.3506, 0.3277,  
0.2931

 10.4117, 0.3421,  
0.2582


123.8457, 0.3266,  
0.2958

 5.6728, 0.3476,  
0.2447

156.1292, 0.3256,  
0.2981

 2.6471, 0.3556,  
0.2250

193.5856, 0.3248,  
0.3002

 0.9504, 0.3680,  
0.1937

236.5992, 0.3240,

 0.0000, 0.4467,


0.3020


0.0000


285.5545, 0.3234,  
0.3035


 0.0000, 0.0000,  
0.0000


 38.7522, 0.3326,  
0.2813


 38.7522, 0.3326,  
0.2813


 32.4424, 0.3421,  
0.2636


 46.2452, 0.3243,  
0.2991


 27.2490, 0.3530,  
0.2467

 54.9732, 0.3173,  
0.3165

 23.1066, 0.3650,  
0.2317

 64.9912, 0.3113,  
0.3330

 19.9406, 0.3779,  
0.2195

 76.3496, 0.3063,  
0.3485

 17.6669, 0.3915,  
0.2112

 89.0957, 0.3021,  
0.3630

■ 16.1867, 0.4051,  
0.2077

■ 90.4004, 0.2986,  
0.3573

■ 15.3626, 0.4184,  
0.2090

■ 90.7716, 0.2950,  
0.3502

■ 15.2027, 0.4217,  
0.2097

■ 91.1567, 0.2915,  
0.3432

■ 91.5560, 0.2880,  
0.3363

# Harmonies

## Analogous

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



38.7522, 0.2879, 0.2621



38.7522, 0.3326, 0.2813



38.7522, 0.3743, 0.3114

# Triad

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



38.7522, 0.3326, 0.2813



38.7522, 0.3731, 0.4045



38.7522, 0.2337, 0.3013

# Complementary

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



38.7522, 0.3326, 0.2813



53.9366, 0.2973, 0.3821

# 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.



38.7522, 0.2533, 0.3438



38.7522, 0.3326, 0.2813



38.7522, 0.3329, 0.4076

# Square

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



38.7522, 0.3326, 0.2813



38.7522, 0.3979, 0.3808



38.7522, 0.2891, 0.3849



38.7522, 0.2335, 0.2709



# Rectangle

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



38.7522, 0.3326, 0.2813



38.7522, 0.3932, 0.3348



38.7522, 0.2891, 0.3849



38.7522, 0.2381, 0.3146

# Sweetspot

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



38.7539, 0.3326, 0.2813



87.2591, 0.3177, 0.3155



34.5486, 0.2796, 0.2534



18.1968, 0.3187, 0.3129



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.



38.7539, 0.3326, 0.2813



55.9516, 0.3380, 0.2709



37.6689, 0.3602, 0.3147



11.9427, 0.3185, 0.3132



9.5969, 0.4200, 0.2087



0.5506, 0.3975, 0.1963



# Inverse Universe

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



38.7539, 0.3326, 0.2813



55.9516, 0.3380, 0.2709



55.0752, 0.2798, 0.3439



11.9427, 0.3185, 0.3132



9.5969, 0.4200, 0.2087

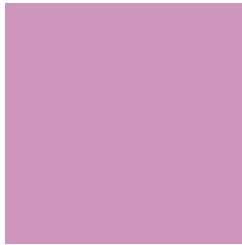


0.5506, 0.3975, 0.1963



# Previews

## White Background



This preview shows how the Yxy color 38.7522, 0.3326, 0.2813 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

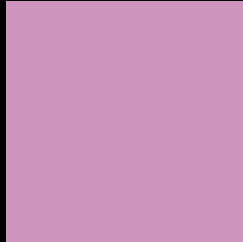
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 38.7522, 0.3326, 0.2813 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

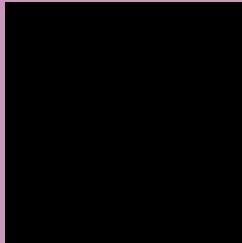
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 38.7522, 0.3326, 0.2813**

## Background



This preview shows how black text looks on a background with the Yxy color 38.7522, 0.3326, 0.2813.



This preview shows how white text looks on a background with the Yxy color 38.7522, 0.3326, 0.2813.

# 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

38.7522, 0.3326, 0.2813

### Protanopia

39.0196, 0.2810, 0.2829

### Deuteranopia

38.8962, 0.3032, 0.2968



## Tritanopia

38.7017, 0.3515, 0.3139

# Trichromacy



**Original Color**

38.7522, 0.3326, 0.2813

**Protanomaly**

38.5921, 0.2985, 0.2817

**Deuteranomaly**

38.6494, 0.3136, 0.2900

**Tritanomaly**

38.8176, 0.3447, 0.3027

# Monochromacy



**Original Color**

38.7522, 0.3326, 0.2813

**Achromatopsia**

40.7240, 0.3127, 0.3290

**Achromatomaly**

39.5991, 0.3193, 0.3091

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.7522, 0.3326, 0.2813 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(207, 150, 189)` looks like.

```
.text, #text, p{  
    color:rgb(207, 150, 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(207, 150, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 150, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 38.7522, 0.3326, 0.2813 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(207, 150, 189) }
```

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

```
.border{ border-color:rgb(207, 150, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 150, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 150, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 150, 189);  
box-shadow:4px 4px 4px 4px rgb(207, 150,  
189) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.7522, 0.3326, 0.2813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 150, 189) }
```

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

```
.background{ background-color: rgb(207,  
150, 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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