

# Converting Colors

$Y_{xy}(32.7082, 0.3542, 0.2803)$

Have a look what the booklet for  
Yxy(32.7082, 0.3542, 0.2803)  
contains.

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# Color

**Yxy(32.7082, 0.3542, 0.2803)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CF84AB
RGB	207, 132, 171
RGB Percent	81%, 52%, 67%
CMY	0.1882, 0.4823, 0.3295
CMYK	0.00, 0.36, 0.17, 0.19
HSL	329°, 44%, 66%
HSV	329°, 36%, 81%
XYZ	41.3316, 32.7082, 42.6502
YIQ	158.8710, 32.1810, 28.0290

# Conversions

## Conversions Part 2

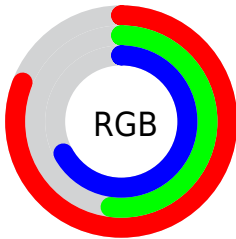
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	207, 132, 171
Decimal	13599915
CIE Lab	63.92, 34.31, -8.54
CIE LCh	64, 35.353, 346.028
Yxy	32.7082, 0.3542, 0.2803
Android (android.graphics.Color)	4291789995 (0xFFCF84AB)
YUV	158.8710, 5.9796, 42.2091
Hunter-Lab	57.1911, 28.9163, -4.1817

# Details

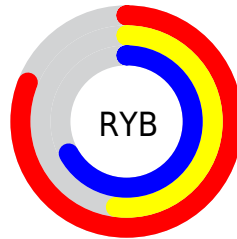
The Yxy color **32.7082, 0.3542, 0.2803** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **52.3594, 0.2852, 0.3839**, and the grayscale version is **34.5708, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.8688, 0.3382, 0.2885**, and **13.7961, 0.3665, 0.2656** is the 20% darker color. If you saturate the color by 10%, you get **27.2762, 0.3708, 0.2670**, and if you desaturate by 10%, it is **39.2856, 0.3400, 0.2942**.

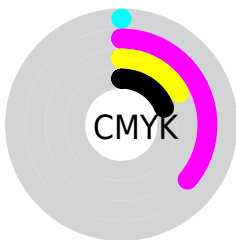
# Distribution



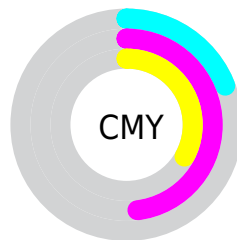
- Red (81%)
- Green (52%)
- Blue (67%)



- Red (81%)
- Yellow (52%)
- Blue (67%)



- Cyan (0%)
- Magenta (36%)
- Yellow (17%)
- Black (19%)




- Cyan (19%)
- Magenta (48%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 32.7082, 0.3542, 0.2803 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 32.7082, 0.3542, 0.2803 by changing the saturation by 10% instead.




 32.7082, 0.3542,  
0.2803


 32.7082, 0.3542,  
0.2803


314.3328, 0.3327,  
0.3051

 21.9030, 0.3598,  
0.2740


 63.9197, 0.3462,  
0.2894

 13.7856, 0.3672,  
0.2657


 85.0948, 0.3433,  
0.2928

 7.9717, 0.3772,  
0.2546


 110.4953, 0.3408,  
0.2957

 4.0769, 0.3917,  
0.2389

140.5056, 0.3387,  
0.2981

 1.7167, 0.4145,  
0.2150

175.5101, 0.3369,  
0.3002

 0.4344, 0.4668,  
0.1536

215.8932, 0.3353,


 0.0000, 1.0000,


0.3021

0.0000


262.0393, 0.3339,  
0.3037


 0.0000, 0.0000,  
0.0000


 32.7082, 0.3542,  
0.2803


 32.7082, 0.3542,  
0.2803


 27.2762, 0.3708,  
0.2670


 39.2856, 0.3400,  
0.2942


 22.9181, 0.3899,  
0.2551


 47.0652, 0.3280,  
0.3079


 19.5616, 0.4112,  
0.2457


 56.1054, 0.3181,  
0.3211

 17.1235, 0.4341,  
0.2402


 66.4596, 0.3098,  
0.3336


 15.5068, 0.4576,  
0.2395

 78.1779, 0.3029,  
0.3452


 14.5893, 0.4806,  
0.2443

 90.5342, 0.2973,  
0.3547

 14.3385, 0.4892,  
0.2468

 91.1110, 0.2919,  
0.3440

 91.7203, 0.2867,  
0.3336

 92.0051, 0.2844,  
0.3289

# Harmonies

## Analogous

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



32.7082, 0.2974, 0.2527



32.7082, 0.3542, 0.2803



32.7082, 0.4022, 0.3191

# Triad

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



32.7082, 0.3542, 0.2803



32.7082, 0.3730, 0.4278



32.7082, 0.2132, 0.2800

# Complementary

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



32.7082, 0.3542, 0.2803



52.3594, 0.2852, 0.3839

# 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.



32.7082, 0.2295, 0.3297



32.7082, 0.3542, 0.2803



32.7082, 0.3200, 0.4238

# Square

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



32.7082, 0.3542, 0.2803



32.7082, 0.4118, 0.4026



32.7082, 0.2676, 0.3857



32.7082, 0.2202, 0.2498



# Rectangle

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



32.7082, 0.3542, 0.2803



32.7082, 0.4201, 0.3480



32.7082, 0.2676, 0.3857



32.7082, 0.2160, 0.2947

# Sweetspot

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



32.7097, 0.3542, 0.2803



82.5531, 0.3227, 0.3147



29.2262, 0.2781, 0.2293



17.2479, 0.3241, 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.



32.7097, 0.3542, 0.2803



45.8977, 0.3661, 0.2705



31.5059, 0.3966, 0.3260



11.9094, 0.3210, 0.3170



9.0533, 0.4862, 0.2452



0.5222, 0.4478, 0.2240



# Inverse Universe

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



32.7097, 0.3542, 0.2803



45.8977, 0.3661, 0.2705



53.9146, 0.2636, 0.3322



11.9094, 0.3210, 0.3170



9.0533, 0.4862, 0.2452

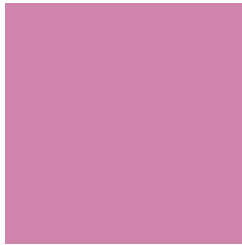


0.5222, 0.4478, 0.2240



# Previews

## White Background



This preview shows how the Yxy color 32.7082, 0.3542, 0.2803 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

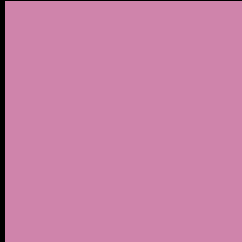
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 32.7082, 0.3542, 0.2803 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

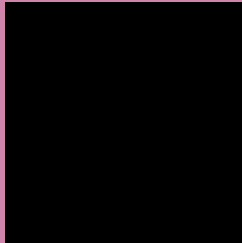
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 32.7082, 0.3542, 0.2803**

## Background



This preview shows how black text looks on a background with the Yxy color 32.7082, 0.3542, 0.2803.



This preview shows how white text looks on a background with the Yxy color 32.7082, 0.3542, 0.2803.

# 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

32.7082, 0.3542, 0.2803

### Protanopia

33.0035, 0.2813, 0.2839

### Deuteranopia

32.9597, 0.3109, 0.3045



## Tritanopia

32.5523, 0.3771, 0.3149

# Trichromacy



## Original Color

32.7082, 0.3542, 0.2803

## Protanomaly

32.3991, 0.3050, 0.2815

## Deuteranomaly

32.5144, 0.3257, 0.2945

## Tritanomaly

32.7074, 0.3682, 0.3022

# Monochromacy



## Original Color

32.7082, 0.3542, 0.2803

## Achromatopsia

34.6704, 0.3127, 0.3290

## Achromatomaly

33.3693, 0.3269, 0.3094

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 32.7082, 0.3542, 0.2803 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, 132, 171)` looks like.

```
.text, #text, p{  
    color:rgb(207, 132, 171)  
}
```

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, 132, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 132, 171) }
```

## Border

The CSS property to change the border of an element to Yxy 32.7082, 0.3542, 0.2803 is called "border". The border property can be set on classes, ids or directly on the HTML element.

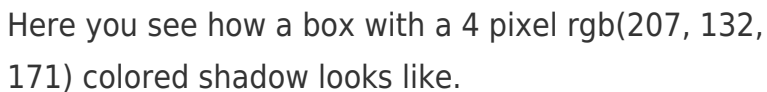
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(207, 132, 171) }
```

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

```
.border{ border-color:rgb(207, 132, 171) }
```

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



Here you see how a box with a 4 pixel `rgb(207, 132, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(207, 132, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(207, 132, 171); box-shadow:4px 4px 4px 4px rgb(207, 132, 171) }
```



# Background

The CSS property to change the background color of an element to Yxy 32.7082, 0.3542, 0.2803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 132, 171) }
```

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

```
.background{ background-color: rgb(207,  
132, 171) }
```

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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