

# Converting Colors

Yxy(44.1690, 0.3248, 0.2919)

Have a look what the booklet for  
Yxy(44.1690, 0.3248, 0.2919)  
contains.

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# Color

**Yxy(44.1612, 0.3245, 0.2916)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFA5C4
RGB	207, 165, 196
RGB Percent	81%, 65%, 77%
CMY	0.1883, 0.3529, 0.2315
CMYK	0.00, 0.20, 0.05, 0.19
HSL	316°, 30%, 73%
HSV	316°, 20%, 81%
XYZ	49.1437, 44.1612, 58.1395
YIQ	181.0920, 15.0810, 18.5450

# Conversions

## Conversions Part 2

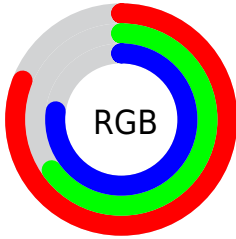
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	207, 165, 196
Decimal	13608388
CIE Lab	72.34, 20.55, -9.95
CIE LCh	72, 22.834, 334.160
Yxy	44.1612, 0.3245, 0.2916
Android (android.graphics.Color)	4291798468 (0xFFCFA5C4)
YUV	181.0920, 7.3496, 22.7213
Hunter-Lab	66.4539, 15.7093, -5.3542

# Details

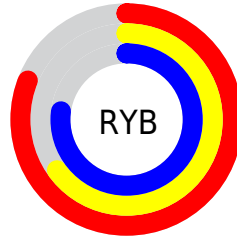
The Yxy color **44.1612, 0.3245, 0.2916** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **55.7526, 0.3027, 0.3696**, and the grayscale version is **46.2138, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5382, 0.3156, 0.2969**, and **20.4386, 0.3276, 0.2821** is the 20% darker color. If you saturate the color by 10%, you get **37.0472, 0.3318, 0.2725**, and if you desaturate by 10%, it is **52.4964, 0.3182, 0.3104**.

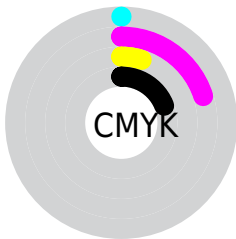
# Distribution



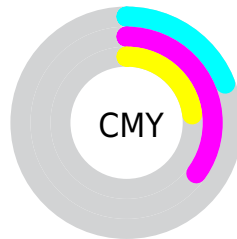
- Red (81%)
- Green (65%)
- Blue (77%)



- Red (81%)
- Yellow (65%)
- Blue (77%)



- Cyan (0%)
- Magenta (20%)
- Yellow (5%)
- Black (19%)




- Cyan (19%)
- Magenta (35%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.1612, 0.3245, 0.2916 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 44.1612, 0.3245, 0.2916 by changing the saturation by 10% instead.




 44.1612, 0.3245,  
0.2916


 44.1612, 0.3245,  
0.2916


363.3657, 0.3188,  
0.3099

 30.7973, 0.3259,  
0.2872


 81.4603, 0.3225,  
0.2982

 20.4445, 0.3276,  
0.2815

 106.1642, 0.3217,  
0.3007

 12.7186, 0.3298,  
0.2741

135.4168, 0.3211,  
0.3028

 7.2350, 0.3328,  
0.2640

169.6027, 0.3205,  
0.3046

 3.6095, 0.3370,  
0.2494

209.1061, 0.3200,  
0.3062

 1.4576, 0.3433,  
0.2265

254.3115, 0.3196,


 0.2586, 0.3768,


0.3076


0.1304


305.6032, 0.3192,  
0.3088

 0.0000, 0.0000,  
0.0000


 44.1612, 0.3245,  
0.2916


 44.1612, 0.3245,  
0.2916

 37.0472, 0.3318,  
0.2725

 52.4964, 0.3182,  
0.3104


 31.0904, 0.3400,  
0.2538


 62.1011, 0.3129,  
0.3285


 26.2299, 0.3492,  
0.2362

 73.0282, 0.3083,  
0.3456

 22.3967, 0.3592,  
0.2209

 85.3259, 0.3045,  
0.3616

 19.5142, 0.3698,  
0.2088

 90.1168, 0.3014,  
0.3630

■ 17.4947, 0.3806,  
0.2008

■ 90.4147, 0.2984,  
0.3570

■ 16.2345, 0.3913,  
0.1976

■ 90.7221, 0.2954,  
0.3511

■ 15.5515, 0.4014,  
0.1985

■ 91.0390, 0.2925,  
0.3453

■ 91.3656, 0.2896,  
0.3395

# Harmonies

## Analogous

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



44.1612, 0.2919, 0.2781



44.1612, 0.3245, 0.2916



44.1612, 0.3552, 0.3140

# Triad

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



44.1612, 0.3245, 0.2916



44.1612, 0.3597, 0.3834



44.1612, 0.2547, 0.3122

# Complementary

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



44.1612, 0.3245, 0.2916



55.7526, 0.3027, 0.3696

# 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.



44.1612, 0.2710, 0.3431



44.1612, 0.3245, 0.2916



44.1612, 0.3312, 0.3862

# Square

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



44.1612, 0.3245, 0.2916



44.1612, 0.3759, 0.3661



44.1612, 0.2987, 0.3712



44.1612, 0.2530, 0.2882



# Rectangle

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



44.1612, 0.3245, 0.2916



44.1612, 0.3698, 0.3316



44.1612, 0.2987, 0.3712



44.1612, 0.2586, 0.3221

# Sweetspot

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



44.1631, 0.3245, 0.2916



90.3678, 0.3159, 0.3181



40.5934, 0.2878, 0.2748



19.1279, 0.3162, 0.3169



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.



44.1631, 0.3245, 0.2916



65.9832, 0.3273, 0.2839



43.2942, 0.3429, 0.3161



11.9539, 0.3177, 0.3120



9.8166, 0.4001, 0.1978



0.5615, 0.3824, 0.1880



# Inverse Universe

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



44.1631, 0.3245, 0.2916



65.9832, 0.3273, 0.2839



56.6248, 0.2893, 0.3424



11.9539, 0.3177, 0.3120



9.8166, 0.4001, 0.1978

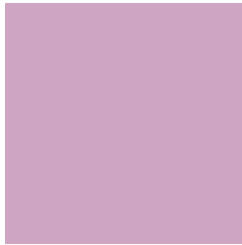


0.5615, 0.3824, 0.1880



# Previews

## White Background



This preview shows how the Yxy color 44.1612, 0.3245, 0.2916 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

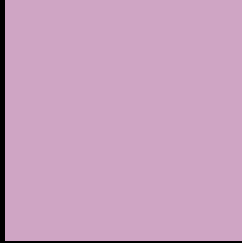
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.1612, 0.3245, 0.2916 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 44.1612, 0.3245, 0.2916**

## Background



This preview shows how black text looks on a background with the Yxy color 44.1612, 0.3245, 0.2916.



This preview shows how white text looks on a background with the Yxy color 44.1612, 0.3245, 0.2916.

# 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

44.1612, 0.3245, 0.2916

### Protanopia

44.2467, 0.2892, 0.2939

### Deuteranopia

44.3921, 0.3071, 0.3010



## Tritanopia

44.3206, 0.3356, 0.3130

# Trichromacy



## Original Color

44.1612, 0.3245, 0.2916

## Protanomaly

43.9895, 0.3014, 0.2934

## Deuteranomaly

44.1589, 0.3133, 0.2977

## Tritanomaly

44.3044, 0.3322, 0.3057

# Monochromacy



## Original Color

44.1612, 0.3245, 0.2916

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

45.1523, 0.3169, 0.3150

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.1612, 0.3245, 0.2916 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, 165, 196)` looks like.

```
.text, #text, p{  
    color:rgb(207, 165, 196)  
}
```

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, 165, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 165, 196) }
```

## Border

The CSS property to change the border of an element to Yxy 44.1612, 0.3245, 0.2916 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, 165, 196) }
```

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

```
.border{ border-color:rgb(207, 165, 196) }
```

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

Here you see how a box with a 4 pixel rgb(207, 165, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 165, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 165, 196);  
box-shadow:4px 4px 4px 4px rgb(207, 165,  
196) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.1612, 0.3245, 0.2916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 165, 196) }
```

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

```
.background{ background-color: rgb(207,  
165, 196) }
```

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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