

# Converting Colors

$Yxy(46.6904, 0.3109, 0.2856)$

Have a look what the booklet for  
Yxy(46.6904, 0.3109, 0.2856)  
contains.

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# Color

**Yxy(46.7556, 0.3104, 0.2859)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBACD0
RGB	203, 172, 208
RGB Percent	80%, 67%, 82%
CMY	0.2040, 0.3254, 0.1843
CMYK	0.02, 0.17, 0.00, 0.18
HSL	292°, 28%, 75%
HSV	292°, 17%, 82%
XYZ	50.7623, 46.7556, 66.0204
YIQ	185.3730, 6.9200, 17.7680

# Conversions

## Conversions Part 2

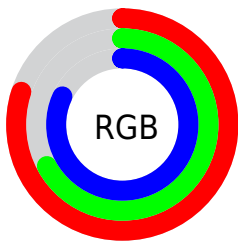
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	203, 172, 208
Decimal	13348048
CIE <sub>Lab</sub>	74.03, 17.59, -14.05
CIE <sub>LCh</sub>	74, 22.515, 321.392
Yxy	46.7556, 0.3104, 0.2859
Android (android.graphics.Color)	4291538128 (0xFFCBACD0)
YUV	185.3730, 11.1551, 15.4589
Hunter-Lab	68.3781, 12.8526, -9.3811

# Details

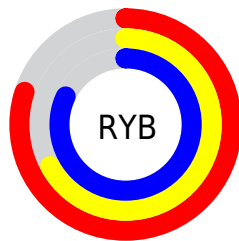
The Yxy color  $46.7556, 0.3104, 0.2859$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $57.4386, 0.3143, 0.3750$ , and the grayscale version is  $48.6682, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $83.4182, 0.3140, 0.3019$ , and  $22.1556, 0.3093, 0.2748$  is the 20% darker color. If you saturate the color by 10%, you get  $39.0468, 0.3086, 0.2601$ , and if you desaturate by 10%, it is  $55.7151, 0.3119, 0.3112$ .

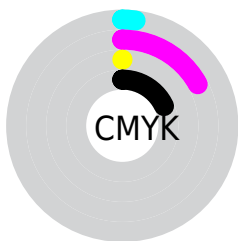
# Distribution



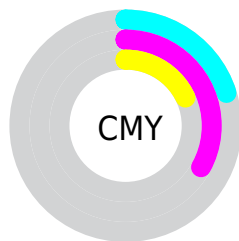
- Red (80%)
- Green (67%)
- Blue (82%)



- Red (80%)
- Yellow (67%)
- Blue (82%)



- Cyan (2%)
- Magenta (17%)
- Yellow (0%)
- Black (18%)




- Cyan (20%)
- Magenta (33%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.7556, 0.3104, 0.2859 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 46.7556, 0.3104, 0.2859 by changing the saturation by 10% instead.





 46.7556, 0.3104,  
0.2859

 46.7556, 0.3104,  
0.2859

373.8381, 0.3118,  
0.3067

 32.8425, 0.3100,  
0.2809


 85.3487, 0.3110,  
0.2933

 22.0058, 0.3094,  
0.2746


110.7975, 0.3112,  
0.2961

 13.8612, 0.3085,  
0.2665


140.8603, 0.3113,  
0.2986

 8.0242, 0.3072,  
0.2554

175.9214, 0.3115,  
0.3006

 4.1104, 0.3050,  
0.2398

216.3654, 0.3116,  
0.3025

 1.7355, 0.3009,  
0.2160

262.5766, 0.3117,

 0.4465, 0.2984,

0.3041

0.1560


314.9394, 0.3118,  
0.3055


 0.0000, 0.0000,  
0.0000


 46.7556, 0.3104,  
0.2859


 46.7556, 0.3104,  
0.2859


 39.0468, 0.3086,  
0.2601


 55.7151, 0.3119,  
0.3112


 32.5251, 0.3063,  
0.2344


 65.9731, 0.3130,  
0.3354


 27.1306, 0.3037,  
0.2100

 77.5822, 0.3138,  
0.3581

 22.7955, 0.3007,  
0.1877

 90.4561, 0.3144,  
0.3790

 19.4448, 0.2974,  
0.1685

 90.8974, 0.3162,  
0.3787

■ 16.9936, 0.2939,  
0.1534

■ 91.3465, 0.3181,  
0.3784

■ 15.3425, 0.2903,  
0.1427

■ 91.8035, 0.3199,  
0.3782

■ 14.3562, 0.2867,  
0.1362

■ 92.2683, 0.3217,  
0.3779

■ 14.1409, 0.2857,  
0.1347

■ 92.7410, 0.3236,  
0.3776

# Harmonies

## Analogous

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



46.7556, 0.2808, 0.2774



46.7556, 0.3104, 0.2859



46.7556, 0.3421, 0.3044

# Triad

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



46.7556, 0.3104, 0.2859



46.7556, 0.3667, 0.3760



46.7556, 0.2616, 0.3251

# Complementary

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



46.7556, 0.3104, 0.2859



57.4386, 0.3143, 0.3750

# 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.



46.7556, 0.2828, 0.3552



46.7556, 0.3104, 0.2859



46.7556, 0.3434, 0.3852

# Square

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



46.7556, 0.3104, 0.2859



46.7556, 0.3755, 0.3551



46.7556, 0.3125, 0.3779



46.7556, 0.2537, 0.2982



# Rectangle

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



46.7556, 0.3104, 0.2859



46.7556, 0.3596, 0.3205



46.7556, 0.3125, 0.3779



46.7556, 0.2673, 0.3353

# Sweetspot

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



46.7576, 0.3104, 0.2859



91.7980, 0.3121, 0.3167



44.9320, 0.2849, 0.2896



19.4110, 0.3121, 0.3150



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.



46.7576, 0.3104, 0.2859



69.0763, 0.3097, 0.2757



46.8771, 0.3252, 0.3009



11.9221, 0.3116, 0.3059



8.8454, 0.2862, 0.1350



0.5181, 0.2930, 0.1388



# Inverse Universe

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



46.0940, 0.3412, 0.3229



67.8423, 0.3494, 0.3215



57.3679, 0.3020, 0.3589



11.8347, 0.3269, 0.3258



8.4214, 0.6204, 0.3191



0.4798, 0.5774, 0.2955



# Previews

## White Background



This preview shows how the Yxy color 46.7556, 0.3104, 0.2859 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

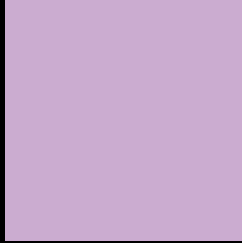
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.7556, 0.3104, 0.2859 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

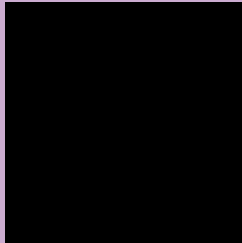
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.7556, 0.3104, 0.2859**

## Background



This preview shows how black text looks on a background with the Yxy color 46.7556, 0.3104, 0.2859.



This preview shows how white text looks on a background with the Yxy color 46.7556, 0.3104, 0.2859.

# 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

46.7556, 0.3104, 0.2859

### Protanopia

47.1329, 0.2840, 0.2875

### Deuteranopia

46.6406, 0.2985, 0.2917



## Tritanopia

46.6134, 0.3232, 0.3117

# Trichromacy



## Original Color

46.7556, 0.3104, 0.2859

## Protanomaly

47.0334, 0.2932, 0.2869

## Deuteranomaly

46.5024, 0.3026, 0.2897

## Tritanomaly

46.6751, 0.3184, 0.3021

# Monochromacy



## Original Color

46.7556, 0.3104, 0.2859

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

47.6992, 0.3126, 0.3127

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.7556, 0.3104, 0.2859 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(203, 172, 208)` looks like.

```
.text, #text, p{  
    color:rgb(203, 172, 208)  
}
```

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(203, 172, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 172, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 46.7556, 0.3104, 0.2859 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(203, 172, 208) }
```

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

```
.border{ border-color:rgb(203, 172, 208) }
```

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

Here you see how a box with a 4 pixel rgb(203, 172, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 172, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 172, 208);  
box-shadow:4px 4px 4px 4px rgb(203, 172,  
208) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.7556, 0.3104, 0.2859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 172, 208) }
```

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

```
.background{ background-color: rgb(203,  
172, 208) }
```

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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