

Converting Colors

$Y_{xy}(45.3072, 0.3098, 0.2799)$

Have a look what the booklet for
Yxy(45.3072, 0.3098, 0.2799)
contains.

Yxy(45.3052, 0.3098, 0.2799)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.3052, 0.3098, 0.2799)

Conversions

Conversions Part 1

Format	Color
Hex	CBA8D1
RGB	203, 168, 209
RGB Percent	80%, 66%, 82%
CMY	0.2038, 0.3412, 0.1805
CMYK	0.03, 0.20, 0.00, 0.18
HSL	291°, 31%, 74%
HSV	291°, 20%, 82%
XYZ	50.1449, 45.3052, 66.4120
YIQ	183.1390, 7.6990, 20.1710

Conversions

Conversions Part 2

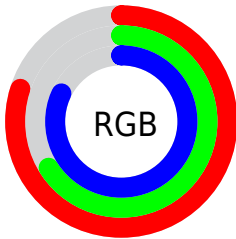
Format	Color
R_{YB}	203, 168, 209
Decimal	13347025
CIE _{Lab}	73.09, 20.00, -16.01
CIE _{LCh}	73, 25.614, 321.328
Yxy	45.3052, 0.3098, 0.2799
Android (android.graphics.Color)	4291537105 (0xFFCBA8D1)
YUV	183.1390, 12.7495, 17.4181
Hunter-Lab	67.3091, 15.1904, -11.3834

Details

The Yxy color $45.3052, 0.3098, 0.2799$ is a light color, and the websafe version is hex $CC99CC$. A complement of this color would be $57.4118, 0.3146, 0.3819$, and the grayscale version is $47.3619, 0.3127, 0.3290$.

A 20% lighter version of the original color is $81.2554, 0.3142, 0.2980$, and $21.2469, 0.3084, 0.2669$ is the 20% darker color. If you saturate the color by 10%, you get $37.7795, 0.3077, 0.2540$, and if you desaturate by 10%, it is $54.0831, 0.3115, 0.3054$.

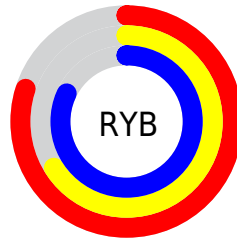
Distribution



Red (80%)

Green (66%)

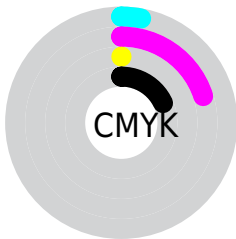
Blue (82%)



Red (80%)

Yellow (66%)

Blue (82%)

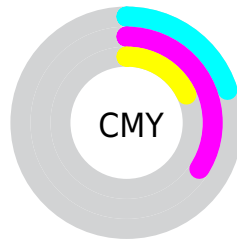


Cyan (3%)

Magenta (20%)

Yellow (0%)

Black (18%)



Cyan (20%)


Magenta (34%)


Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.3052, 0.3098, 0.2799 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 45.3052, 0.3098, 0.2799 by changing the saturation by 10% instead.


 45.3052, 0.3098,
0.2799

 45.3052, 0.3098,
0.2799


368.0082, 0.3116,
0.3036

 31.6979, 0.3092,
0.2742


 83.1782, 0.3105,
0.2883

 21.1308, 0.3085,
0.2671

 108.2127, 0.3108,
0.2916

 13.2197, 0.3074,
0.2578

137.8250, 0.3110,
0.2943

 7.5800, 0.3057,
0.2453

172.3996, 0.3112,
0.2967

 3.8274, 0.3028,
0.2276

212.3208, 0.3113,
0.2988

 1.5775, 0.2975,
0.2008

257.9731, 0.3114,

 0.3423, 0.2959,

0.3006

0.1245

309.7407, 0.3115,
0.3022

0.0000, 0.0000,
0.0000

45.3052, 0.3098,
0.2799

45.3052, 0.3098,
0.2799

37.7795, 0.3077,
0.2540

54.0831, 0.3115,
0.3054

31.4411, 0.3053,
0.2285

64.1626, 0.3128,
0.3299

26.2278, 0.3024,
0.2043

75.5975, 0.3137,
0.3530

22.0696, 0.2992,
0.1825

88.4369, 0.3144,
0.3745

18.8885, 0.2956,
0.1641

91.0587, 0.3161,
0.3776

■ 16.5959, 0.2919,
0.1499

■ 91.5312, 0.3180,
0.3773

■ 15.0867, 0.2881,
0.1401

■ 92.0122, 0.3200,
0.3770

■ 14.1768, 0.2843,
0.1341

■ 92.5019, 0.3219,
0.3767

■ 14.1453, 0.2842,
0.1339

■ 93.0003, 0.3238,
0.3764

Harmonies

Analogous

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



45.3052, 0.2760, 0.2702



45.3052, 0.3098, 0.2799



45.3052, 0.3463, 0.3008

Triad

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



45.3052, 0.3098, 0.2799



45.3052, 0.3747, 0.3826



45.3052, 0.2543, 0.3243

Complementary

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



45.3052, 0.3098, 0.2799



57.4118, 0.3146, 0.3819

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.



45.3052, 0.2783, 0.3593



45.3052, 0.3098, 0.2799



45.3052, 0.3477, 0.3938

Square

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



45.3052, 0.3098, 0.2799



45.3052, 0.3849, 0.3583



45.3052, 0.3123, 0.3858



45.3052, 0.2454, 0.2934

Rectangle

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



45.3052, 0.3098, 0.2799



45.3052, 0.3667, 0.3190



45.3052, 0.3123, 0.3858



45.3052, 0.2608, 0.3361

Sweetspot

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



45.3072, 0.3098, 0.2799



90.2050, 0.3120, 0.3142



43.2540, 0.2808, 0.2837



19.0893, 0.3119, 0.3126



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.



45.3072, 0.3098, 0.2799



65.3289, 0.3089, 0.2678



45.4797, 0.3272, 0.2970



11.9185, 0.3115, 0.3059



8.7565, 0.2847, 0.1342



0.5139, 0.2918, 0.1381

Inverse Universe

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



44.6097, 0.3457, 0.3218



64.0512, 0.3558, 0.3200



57.3085, 0.3006, 0.3633



11.8358, 0.3268, 0.3257



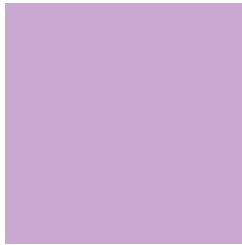
8.4255, 0.6192, 0.3185



0.4803, 0.5752, 0.2942

Previews

White Background



This preview shows how the Yxy color 45.3052, 0.3098, 0.2799 looks on a white background.

Color Contrast Check

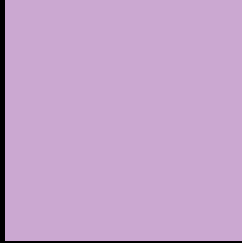
Large Text (above 18pt) WCAG AA × Fail

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 45.3052, 0.3098, 0.2799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

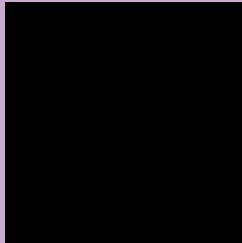
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.3052, 0.3098, 0.2799

Background



This preview shows how black text looks on a background with the Yxy color 45.3052, 0.3098, 0.2799.



This preview shows how white text looks on a background with the Yxy color 45.3052, 0.3098, 0.2799.

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

45.3052, 0.3098, 0.2799

Protanopia

45.5693, 0.2793, 0.2808

Deuteranopia

45.4044, 0.2944, 0.2876



Tritanopia

45.3296, 0.3261, 0.3116

Trichromacy



Original Color

45.3052, 0.3098, 0.2799

Protanomaly

45.1435, 0.2899, 0.2804

Deuteranomaly

45.1355, 0.3002, 0.2845

Tritanomaly

45.4384, 0.3203, 0.3007

Monochromacy



Original Color

45.3052, 0.3098, 0.2799

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.5937, 0.3118, 0.3113

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3052, 0.3098, 0.2799 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, 168, 209)` looks like.

```
.text, #text, p{  
    color:rgb(203, 168, 209)  
}
```

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, 168, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 168, 209) }
```

Border

The CSS property to change the border of an element to Yxy 45.3052, 0.3098, 0.2799 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, 168, 209) }
```

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

```
.border{ border-color:rgb(203, 168, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 168, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 168, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 168, 209);  
box-shadow:4px 4px 4px 4px rgb(203, 168,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3052, 0.3098, 0.2799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 168, 209) }
```

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

```
.background{ background-color: rgb(203,  
168, 209) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor