

Converting Colors

$Y_{xy}(45.0670, 0.3102, 0.2886)$

Have a look what the booklet for
Yxy(45.0670, 0.3102, 0.2886)
contains.

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Color

Yxy(45.0670, 0.3102, 0.2886)

Conversions

Conversions Part 1

Format	Color
Hex	C6AACB
RGB	198, 170, 203
RGB Percent	78%, 67%, 80%
CMY	0.2236, 0.3333, 0.2039
CMYK	0.02, 0.16, 0.00, 0.20
HSL	291°, 24%, 73%
HSV	291°, 16%, 80%
XYZ	48.4400, 45.0670, 62.6503
YIQ	182.1340, 6.0950, 16.1990

Conversions

Conversions Part 2

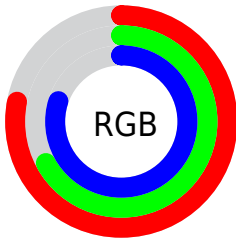
Format	Color
R_{YB}	198, 170, 203
Decimal	13019851
CIE Lab	72.94, 16.04, -13.01
CIE LCh	73, 20.653, 320.955
Yxy	45.0670, 0.3102, 0.2886
Android (android.graphics.Color)	4291209931 (0xFFC6AACB)
YUV	182.1340, 10.2869, 13.9145
Hunter-Lab	67.1320, 11.3182, -8.3395

Details

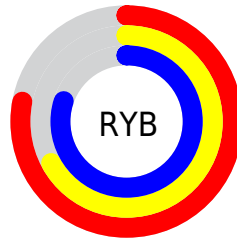
The Yxy color **45.0670, 0.3102, 0.2886** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **54.7367, 0.3146, 0.3719**, and the grayscale version is **46.7966, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3304, 0.3141, 0.2999**, and **21.0561, 0.3091, 0.2781** is the 20% darker color. If you saturate the color by 10%, you get **37.6199, 0.3081, 0.2627**, and if you desaturate by 10%, it is **53.7019, 0.3119, 0.3138**.

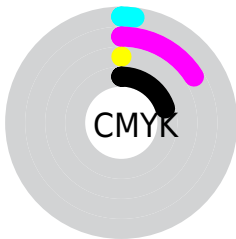
Distribution



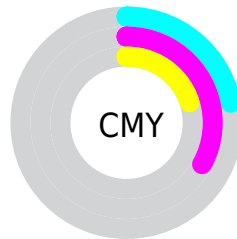
- Red (78%)
- Green (67%)
- Blue (80%)



- Red (78%)
- Yellow (67%)
- Blue (80%)



- Cyan (2%)
- Magenta (16%)
- Yellow (0%)
- Black (20%)




- Cyan (22%)
- Magenta (33%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.0670, 0.3102, 0.2886 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 45.0670, 0.3102, 0.2886 by changing the saturation by 10% instead.

 45.0670, 0.3102,
0.2886

 45.0670, 0.3102,
0.2886


367.0448, 0.3117,
0.3083

 31.5102, 0.3098,
0.2838


 82.8209, 0.3108,
0.2957

 20.9877, 0.3091,
0.2778


107.7869, 0.3110,
0.2983

 13.1150, 0.3083,
0.2699


137.3246, 0.3112,
0.3006

 7.5078, 0.3069,
0.2592

171.8187, 0.3113,
0.3026

 3.7816, 0.3047,
0.2438

211.6533, 0.3114,
0.3043

 1.5522, 0.3004,
0.2199

257.2129, 0.3115,

 0.3250, 0.3018,

0.3058

0.1400

308.8820, 0.3116,
0.3071

0.0000, 0.0000,
0.0000

45.0670, 0.3102,
0.2886

45.0670, 0.3102,
0.2886

37.6199, 0.3081,
0.2627

53.7019, 0.3119,
0.3138

31.3008, 0.3056,
0.2370

63.5691, 0.3132,
0.3378

26.0539, 0.3027,
0.2122

74.7179, 0.3141,
0.3603

21.8159, 0.2994,
0.1894

87.1932, 0.3148,
0.3812

18.5169, 0.2958,
0.1696

90.0445, 0.3165,
0.3846

■ 16.0782, 0.2919,
0.1537

■ 90.5126, 0.3185,
0.3843

■ 14.4080, 0.2879,
0.1422

■ 90.9895, 0.3204,
0.3839

■ 13.3898, 0.2839,
0.1350

■ 91.4753, 0.3224,
0.3836

■ 13.0931, 0.2824,
0.1330

■ 91.9701, 0.3244,
0.3833

Harmonies

Analogous

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



45.0670, 0.2827, 0.2809



45.0670, 0.3102, 0.2886



45.0670, 0.3396, 0.3058

Triad

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



45.0670, 0.3102, 0.2886



45.0670, 0.3631, 0.3725



45.0670, 0.2654, 0.3259

Complementary

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



45.0670, 0.3102, 0.2886



54.7367, 0.3146, 0.3719

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.



45.0670, 0.2853, 0.3536



45.0670, 0.3102, 0.2886



45.0670, 0.3417, 0.3811

Square

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



45.0670, 0.3102, 0.2886



45.0670, 0.3709, 0.3531



45.0670, 0.3131, 0.3744



45.0670, 0.2578, 0.3008

Rectangle

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



45.0670, 0.3102, 0.2886



45.0670, 0.3560, 0.3208



45.0670, 0.3131, 0.3744



45.0670, 0.2708, 0.3353

Sweetspot

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



45.0689, 0.3102, 0.2886



91.7668, 0.3120, 0.3167



43.7182, 0.2868, 0.2930



19.4034, 0.3119, 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.



45.0689, 0.3102, 0.2886



70.2222, 0.3094, 0.2783



45.2572, 0.3238, 0.3021



11.3139, 0.3114, 0.3060



8.3635, 0.2830, 0.1333



0.4555, 0.2908, 0.1376

Inverse Universe

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



44.5476, 0.3387, 0.3228



69.1875, 0.3467, 0.3212



54.5997, 0.3031, 0.3576



11.2411, 0.3266, 0.3255



8.1512, 0.6174, 0.3175



0.4296, 0.5694, 0.2911

Previews

White Background



This preview shows how the Yxy color 45.0670, 0.3102, 0.2886 looks on a white background.

Color Contrast Check

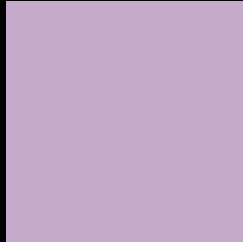
Large Text (above 18pt) WCAG AA × Fail

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 45.0670, 0.3102, 0.2886 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 45.0670, 0.3102, 0.2886

Background



This preview shows how black text looks on a background with the Yxy color 45.0670, 0.3102, 0.2886.



This preview shows how white text looks on a background with the Yxy color 45.0670, 0.3102, 0.2886.

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

45.0670, 0.3102, 0.2886

Protanopia

45.3935, 0.2865, 0.2906

Deuteranopia

44.9755, 0.3007, 0.2937



Tritanopia

45.1681, 0.3224, 0.3127

Trichromacy



Original Color

45.0670, 0.3102, 0.2886

Protanomaly

45.1835, 0.2951, 0.2899

Deuteranomaly

45.0986, 0.3041, 0.2928

Tritanomaly

45.1811, 0.3183, 0.3041

Monochromacy



Original Color

45.0670, 0.3102, 0.2886

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.2499, 0.3117, 0.3137

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0670, 0.3102, 0.2886 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(198, 170, 203)` looks like.

```
.text, #text, p{  
    color:rgb(198, 170, 203)  
}
```

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(198, 170, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 170, 203) }
```

Border

The CSS property to change the border of an element to Yxy 45.0670, 0.3102, 0.2886 is called "border". The border property can be set on classes, ids or directly on the HTML element.

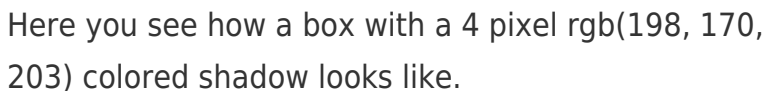
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 170, 203) }
```

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

```
.border{ border-color:rgb(198, 170, 203) }
```

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



Here you see how a box with a 4 pixel `rgb(198, 170, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 170, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 170, 203);  
box-shadow:4px 4px 4px 4px rgb(198, 170,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0670, 0.3102, 0.2886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 170, 203) }
```

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

```
.background{ background-color: rgb(198,  
170, 203) }
```

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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