

Converting Colors

$Y_{xy}(45.5920, 0.3008, 0.2671)$

Have a look what the booklet for
Yxy(45.5920, 0.3008, 0.2671)
contains.

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Color

Yxy(45.5013, 0.3010, 0.2666)

Conversions

Conversions Part 1

Format	Color
Hex	CBA7DC
RGB	203, 167, 220
RGB Percent	80%, 65%, 86%
CMY	0.2038, 0.3451, 0.1372
CMYK	0.08, 0.24, 0.00, 0.14
HSL	281°, 43%, 76%
HSV	281°, 24%, 86%
XYZ	51.3724, 45.5013, 73.7988
YIQ	183.8060, 4.4430, 24.1150

Conversions

Conversions Part 2

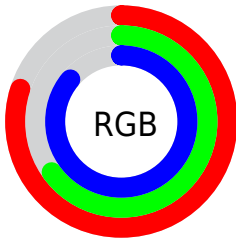
Format	Color
R _Y B	203, 167, 220
Decimal	13346780
CIE Lab	73.22, 22.71, -21.85
CIE LCh	73, 31.520, 316.108
Yxy	45.5013, 0.3010, 0.2666
Android (android.graphics.Color)	4291536860 (0xFFCBA7DC)
YUV	183.8060, 17.8436, 16.8331
Hunter-Lab	67.4547, 17.8972, -17.6480

Details

The Yxy color $45.5013, 0.3010, 0.2666$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $64.1759, 0.3217, 0.3944$, and the grayscale version is $47.7206, 0.3127, 0.3290$.

A 20% lighter version of the original color is $80.7226, 0.3142, 0.2970$, and $21.2740, 0.2964, 0.2509$ is the 20% darker color. If you saturate the color by 10%, you get $37.1486, 0.2947, 0.2390$, and if you desaturate by 10%, it is $55.2743, 0.3064, 0.2935$.

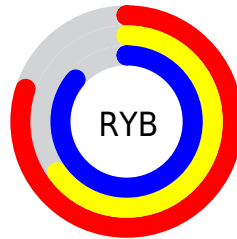
Distribution



Red (80%)

Green (65%)

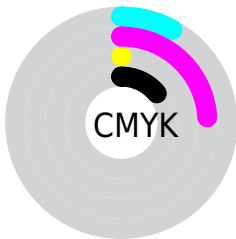
Blue (86%)



Red (80%)

Yellow (65%)

Blue (86%)

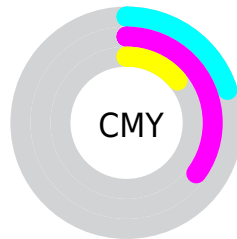


Cyan (8%)

Magenta (24%)

Yellow (0%)

Black (14%)



Cyan (20%)


Magenta (35%)


Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.5013, 0.3010, 0.2666 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 45.5013, 0.3010, 0.2666 by changing the saturation by 10% instead.


 45.5013, 0.3010,
0.2666

 45.5013, 0.3010,
0.2666


368.8001, 0.3073,
0.2964

 31.8525, 0.2993,
0.2596


 83.4722, 0.3034,
0.2771

 21.2488, 0.2970,
0.2508


 108.5630, 0.3043,
0.2812

 13.3060, 0.2940,
0.2395


138.2366, 0.3050,
0.2846

 7.6396, 0.2895,
0.2245

172.8773, 0.3056,
0.2876

 3.8652, 0.2826,
0.2037

212.8697, 0.3061,
0.2903

 1.5985, 0.2708,
0.1732

258.5980, 0.3066,

 0.3566, 0.2545,

0.2926

0.1015

310.4466, 0.3070,
0.2946

0.0000, 0.0000,
0.0000

45.5013, 0.3010,
0.2666

45.5013, 0.3010,
0.2666

37.1486, 0.2947,
0.2390

55.2743, 0.3064,
0.2935

30.1403, 0.2875,
0.2115

66.5268, 0.3111,
0.3190

24.4024, 0.2796,
0.1852

79.3217, 0.3149,
0.3428

19.8511, 0.2712,
0.1614

93.7159, 0.3180,
0.3647

16.3922, 0.2624,
0.1411

94.9147, 0.3225,
0.3643

■ 13.9168, 0.2537,
0.1254

■ 96.1612, 0.3271,
0.3638

■ 12.2928, 0.2453,
0.1145

■ 97.4562, 0.3316,
0.3633

■ 11.6055, 0.2405,
0.1099

■ 97.9484, 0.3333,
0.3631

Harmonies

Analogous

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



45.5013, 0.2618, 0.2575



45.5013, 0.3010, 0.2666



45.5013, 0.3463, 0.2896

Triad

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



45.5013, 0.3010, 0.2666



45.5013, 0.3925, 0.3895



45.5013, 0.2454, 0.3302

Complementary

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



45.5013, 0.3010, 0.2666



64.1759, 0.3217, 0.3944

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.



45.5013, 0.2769, 0.3735



45.5013, 0.3010, 0.2666



45.5013, 0.3619, 0.4080

Square

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



45.5013, 0.3010, 0.2666



45.5013, 0.4012, 0.3576



45.5013, 0.3194, 0.4033



45.5013, 0.2316, 0.2904

Rectangle

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



45.5013, 0.3010, 0.2666



45.5013, 0.3732, 0.3104



45.5013, 0.3194, 0.4033



45.5013, 0.2541, 0.3451

Sweetspot

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



45.5032, 0.3010, 0.2666



88.0663, 0.3098, 0.3116



47.9426, 0.2736, 0.2843



18.6403, 0.3095, 0.3101



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.



45.5032, 0.3010, 0.2666



57.3268, 0.2979, 0.2525



47.5660, 0.3229, 0.2786



13.0548, 0.3087, 0.3056



6.8720, 0.2417, 0.1105



0.4907, 0.2549, 0.1178

Inverse Universe

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



46.3138, 0.3470, 0.3091



58.7238, 0.3567, 0.3046



62.5398, 0.3040, 0.3852



13.1200, 0.3242, 0.3215



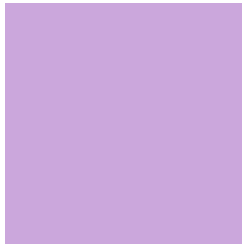
9.2113, 0.5677, 0.2901



0.6122, 0.5213, 0.2645

Previews

White Background



This preview shows how the Yxy color 45.5013, 0.3010, 0.2666 looks on a white background.

Color Contrast Check

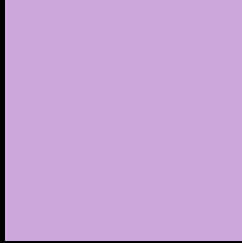
Large Text (above 18pt) WCAG AA × Fail

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 45.5013, 0.3010, 0.2666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

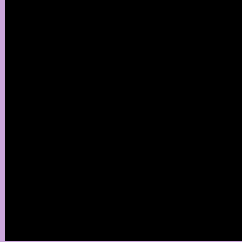
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.5013, 0.3010, 0.2666

Background



This preview shows how black text looks on a background with the Yxy color 45.5013, 0.3010, 0.2666.



This preview shows how white text looks on a background with the Yxy color 45.5013, 0.3010, 0.2666.

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

45.5013, 0.3010, 0.2666

Protanopia

45.7671, 0.2684, 0.2666

Deuteranopia

45.5776, 0.2824, 0.2766



Tritanopia

45.4808, 0.3233, 0.3115

Trichromacy



Original Color

45.5013, 0.3010, 0.2666

Protanomaly

45.5321, 0.2797, 0.2666

Deuteranomaly

45.5664, 0.2887, 0.2728

Tritanomaly

45.5287, 0.3152, 0.2947

Monochromacy



Original Color

45.5013, 0.3010, 0.2666

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

46.9484, 0.3087, 0.3052

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5013, 0.3010, 0.2666 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, 167, 220)` looks like.

```
.text, #text, p{  
    color:rgb(203, 167, 220)  
}
```

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, 167, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 167, 220) }
```

Border

The CSS property to change the border of an element to Yxy 45.5013, 0.3010, 0.2666 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, 167, 220) }
```

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

```
.border{ border-color:rgb(203, 167, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 167, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 167, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 167, 220);  
box-shadow:4px 4px 4px 4px rgb(203, 167,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5013, 0.3010, 0.2666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 167, 220) }
```

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

```
.background{ background-color: rgb(203,  
167, 220) }
```

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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