

Converting Colors

$Y_{xy}(45.1641, 0.3057, 0.2815)$

Have a look what the booklet for
Yxy(45.1641, 0.3057, 0.2815)
contains.

Yxy(45.3587, 0.3054, 0.2817)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.3587, 0.3054, 0.2817)

Conversions

Conversions Part 1

Format	Color
Hex	C6AAD1
RGB	198, 170, 209
RGB Percent	78%, 67%, 82%
CMY	0.2235, 0.3333, 0.1804
CMYK	0.05, 0.19, 0.00, 0.18
HSL	283°, 30%, 74%
HSV	283°, 19%, 82%
XYZ	49.1748, 45.3587, 66.4842
YIQ	182.8180, 4.1690, 18.0650

Conversions

Conversions Part 2

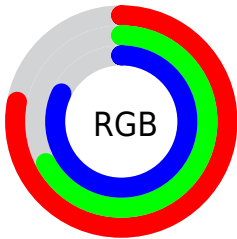
Format	Color
R _Y B	198, 170, 209
Decimal	13019857
CIE Lab	73.13, 17.22, -16.01
CIE LCh	73, 23.513, 317.099
Yxy	45.3587, 0.3054, 0.2817
Android (android.graphics.Color)	4291209937 (0xFFC6AAD1)
YUV	182.8180, 12.9077, 13.3146
Hunter-Lab	67.3489, 12.4714, -11.3846

Details

The Yxy color $45.3587, 0.3054, 0.2817$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $58.3249, 0.3186, 0.3784$, and the grayscale version is $47.1771, 0.3127, 0.3290$.

A 20% lighter version of the original color is $82.3304, 0.3141, 0.2999$, and $21.2527, 0.3025, 0.2690$ is the 20% darker color. If you saturate the color by 10%, you get $37.3533, 0.3004, 0.2548$, and if you desaturate by 10%, it is $54.6448, 0.3096, 0.3077$.

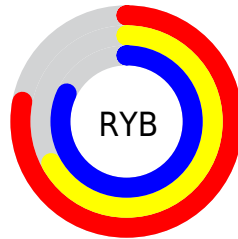
Distribution



Red (78%)

Green (67%)

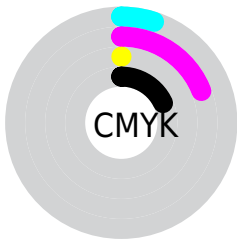
Blue (82%)



Red (78%)

Yellow (67%)

Blue (82%)

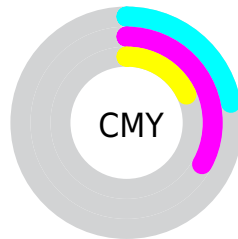


Cyan (5%)

Magenta (19%)

Yellow (0%)

Black (18%)



Cyan (22%)


Magenta (33%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3587, 0.3054, 0.2817 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 45.3587, 0.3054, 0.2817 by changing the saturation by 10% instead.


 45.3587, 0.3054,
0.2817

 45.3587, 0.3054,
0.2817


368.2244, 0.3094,
0.3046

 31.7401, 0.3043,
0.2762


 83.2584, 0.3069,
0.2899

 21.1630, 0.3029,
0.2692


108.3083, 0.3075,
0.2930

 13.2432, 0.3009,
0.2602


137.9373, 0.3079,
0.2956

 7.5962, 0.2981,
0.2480

172.5300, 0.3083,
0.2979

 3.8377, 0.2935,
0.2307

212.4706, 0.3086,
0.2999

 1.5832, 0.2856,
0.2043

258.1436, 0.3089,

 0.3462, 0.2781,

0.3017

0.1284

309.9334, 0.3091,
0.3033

0.0000, 0.0000,
0.0000

45.3587, 0.3054,
0.2817

45.3587, 0.3054,
0.2817

37.3533, 0.3004,
0.2548

54.6448, 0.3096,
0.3077

30.5635, 0.2947,
0.2276

65.2608, 0.3131,
0.3322

24.9277, 0.2882,
0.2012

77.2606, 0.3160,
0.3550

20.3759, 0.2811,
0.1766

90.6934, 0.3184,
0.3759

16.8309, 0.2737,
0.1551

92.5271, 0.3220,
0.3767

■ 14.2046, 0.2660,
0.1375

■ 93.5032, 0.3258,
0.3761

■ 12.3937, 0.2584,
0.1246

■ 94.5123, 0.3296,
0.3756

■ 11.2366, 0.2511,
0.1162

■ 95.5548, 0.3334,
0.3750

■ 11.1007, 0.2501,
0.1151

■ 96.6310, 0.3373,
0.3744

Harmonies

Analogous

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



45.3587, 0.2753, 0.2745



45.3587, 0.3054, 0.2817



45.3587, 0.3391, 0.2998

Triad

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



45.3587, 0.3054, 0.2817



45.3587, 0.3721, 0.3758



45.3587, 0.2613, 0.3294

Complementary

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



45.3587, 0.3054, 0.2817



58.3249, 0.3186, 0.3784

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.



45.3587, 0.2852, 0.3608



45.3587, 0.3054, 0.2817



45.3587, 0.3492, 0.3880

Square

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



45.3587, 0.3054, 0.2817



45.3587, 0.3787, 0.3525



45.3587, 0.3172, 0.3830



45.3587, 0.2509, 0.2999

Rectangle

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



45.3587, 0.3054, 0.2817



45.3587, 0.3587, 0.3162



45.3587, 0.3172, 0.3830



45.3587, 0.2679, 0.3402

Sweetspot

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



45.3606, 0.3054, 0.2817



89.8156, 0.3106, 0.3142



46.2173, 0.2829, 0.2930



18.9970, 0.3104, 0.3125



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.



45.3606, 0.3054, 0.2817



66.4065, 0.3037, 0.2721



46.5004, 0.3219, 0.2926



11.8348, 0.3093, 0.3058



6.8962, 0.2511, 0.1157



0.4244, 0.2644, 0.1230

Inverse Universe

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



45.6400, 0.3390, 0.3157



66.9517, 0.3453, 0.3130



57.3794, 0.3047, 0.3684



11.8622, 0.3247, 0.3225



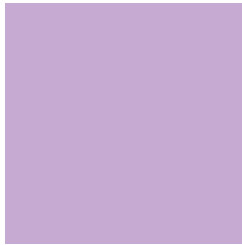
8.5663, 0.5810, 0.2974



0.4926, 0.5276, 0.2680

Previews

White Background



This preview shows how the Yxy color 45.3587, 0.3054, 0.2817 looks on a white background.

Color Contrast Check

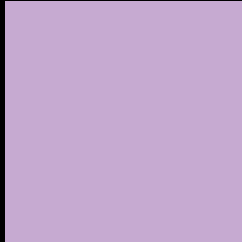
Large Text (above 18pt) WCAG AA × Fail

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 45.3587, 0.3054, 0.2817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

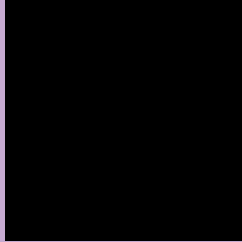
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.3587, 0.3054, 0.2817

Background



This preview shows how black text looks on a background with the Yxy color 45.3587, 0.3054, 0.2817.



This preview shows how white text looks on a background with the Yxy color 45.3587, 0.3054, 0.2817.

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

45.3587, 0.3054, 0.2817

Protanopia

45.4665, 0.2807, 0.2832

Deuteranopia

45.4044, 0.2944, 0.2876



Tritanopia

45.4621, 0.3206, 0.3127

Trichromacy



Original Color

45.3587, 0.3054, 0.2817

Protanomaly

45.2372, 0.2890, 0.2826

Deuteranomaly

45.2600, 0.2985, 0.2856

Tritanomaly

45.5630, 0.3149, 0.3017

Monochromacy



Original Color

45.3587, 0.3054, 0.2817

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.3379, 0.3101, 0.3112

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3587, 0.3054, 0.2817 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(198, 170, 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(198, 170, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 170, 209) }
```

Border

The CSS property to change the border of an element to Yxy 45.3587, 0.3054, 0.2817 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, 209) }
```

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

```
.border{ border-color:rgb(198, 170, 209) }
```

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, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 170, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 170, 209);  
box-shadow:4px 4px 4px 4px rgb(198, 170,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3587, 0.3054, 0.2817 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, 209) }
```

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

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