

Converting Colors

$Y_{xy}(45.4028, 0.3358, 0.3116)$

Have a look what the booklet for
Yxy(45.4028, 0.3358, 0.3116)
contains.

Yxy(45.2465, 0.3355, 0.3107)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(45.2465, 0.3355, 0.3107)

Conversions

Conversions Part 1

Format	Color
Hex	D0A9B8
RGB	208, 169, 184
RGB Percent	82%, 66%, 72%
CMY	0.1842, 0.3373, 0.2783
CMYK	0.00, 0.19, 0.12, 0.18
HSL	337°, 29%, 74%
HSV	337°, 19%, 82%
XYZ	48.8581, 45.2465, 51.5231
YIQ	182.3710, 18.4290, 12.9330

Conversions

Conversions Part 2

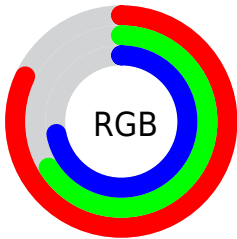
Format	Color
R _Y B	208, 169, 184
Decimal	13674936
CIE Lab	73.05, 16.68, -2.31
CIE LCh	73, 16.837, 352.114
Yxy	45.2465, 0.3355, 0.3107
Android (android.graphics.Color)	4291865016 (0xFFD0A9B8)
YUV	182.3710, 0.8031, 22.4766
Hunter-Lab	67.2655, 11.9382, 1.6718

Details

The Yxy color $45.2465, 0.3355, 0.3107$ is a light color, and the websafe version is hex $CC9999$. A complement of this color would be $57.4037, 0.2944, 0.3481$, and the grayscale version is $46.9824, 0.3127, 0.3290$.

A 20% lighter version of the original color is $80.8626, 0.3240, 0.3133$, and $21.1336, 0.3418, 0.3061$ is the 20% darker color. If you saturate the color by 10%, you get $37.6026, 0.3515, 0.3003$, and if you desaturate by 10%, it is $54.1742, 0.3223, 0.3207$.

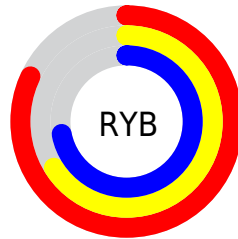
Distribution



Red (82%)

Green (66%)

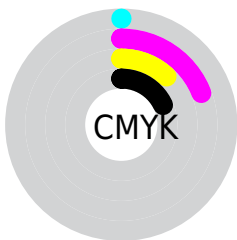
Blue (72%)



Red (82%)

Yellow (66%)

Blue (72%)

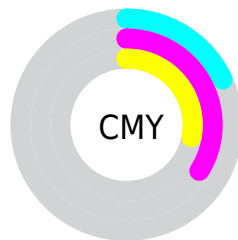


Cyan (0%)

Magenta (19%)

Yellow (12%)

Black (18%)



Cyan (18%)


Magenta (34%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2465, 0.3355, 0.3107 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 45.2465, 0.3355, 0.3107 by changing the saturation by 10% instead.


 45.2465, 0.3355,
0.3107


 45.2465, 0.3355,
0.3107


367.7710, 0.3241,
0.3198

 31.6516, 0.3384,
0.3084


 83.0902, 0.3314,
0.3140

 21.0955, 0.3420,
0.3055


 108.1078, 0.3298,
0.3152

 13.1939, 0.3469,
0.3017


137.7018, 0.3285,
0.3163

 7.5622, 0.3538,
0.2964

172.2565, 0.3274,
0.3172

 3.8161, 0.3640,
0.2885

212.1564, 0.3264,
0.3180

 1.5712, 0.3810,
0.2755

257.7858, 0.3255,

 0.3381, 0.4564,

0.3187

0.2118

309.5292, 0.3248,
0.3193

0.0000, 0.0000,
0.0000

45.2465, 0.3355,
0.3107

45.2465, 0.3355,
0.3107

37.6026, 0.3515,
0.3003

54.1742, 0.3223,
0.3207

31.1770, 0.3708,
0.2900

64.4350, 0.3115,
0.3301

25.9077, 0.3937,
0.2802

76.0833, 0.3026,
0.3389

21.7246, 0.4202,
0.2721

89.1683, 0.2954,
0.3469

18.5500, 0.4498,
0.2666

91.7072, 0.2886,
0.3362

■ 16.2958, 0.4814,
0.2651

■ 92.1523, 0.2849,
0.3289

■ 14.8582, 0.5129,
0.2686

■ 14.0737, 0.5422,
0.2769

■ 13.9939, 0.5457,
0.2780

Harmonies

Analogous

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



45.2465, 0.3117, 0.2962



45.2465, 0.3355, 0.3107



45.2465, 0.3534, 0.3300

Triad

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



45.2465, 0.3355, 0.3107



45.2465, 0.3357, 0.3712



45.2465, 0.2676, 0.3056

Complementary

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



45.2465, 0.3355, 0.3107



57.4037, 0.2944, 0.3481

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.



45.2465, 0.2735, 0.3259



45.2465, 0.3355, 0.3107



45.2465, 0.3123, 0.3652

Square

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



45.2465, 0.3355, 0.3107



45.2465, 0.3533, 0.3651



45.2465, 0.2896, 0.3482



45.2465, 0.2732, 0.2927

Rectangle

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



45.2465, 0.3355, 0.3107



45.2465, 0.3593, 0.3434



45.2465, 0.2896, 0.3482



45.2465, 0.2683, 0.3117

Sweetspot

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



45.2485, 0.3355, 0.3107



90.0327, 0.3192, 0.3233



44.1888, 0.3014, 0.2809



19.0487, 0.3199, 0.3227



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.



45.2485, 0.3355, 0.3107



66.0099, 0.3423, 0.3061



46.1245, 0.3482, 0.3339



11.8826, 0.3231, 0.3201



8.7378, 0.5421, 0.2760



0.5039, 0.4926, 0.2487

Inverse Universe

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



45.2485, 0.3355, 0.3107



66.0099, 0.3423, 0.3061



56.2296, 0.2845, 0.3240



11.8826, 0.3231, 0.3201



8.7378, 0.5421, 0.2760



0.5039, 0.4926, 0.2487

Previews

White Background



This preview shows how the Yxy color 45.2465, 0.3355, 0.3107 looks on a white background.

Color Contrast Check

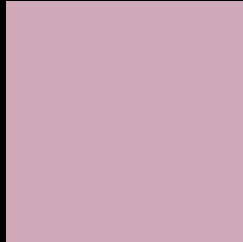
Large Text (above 18pt) WCAG AA × Fail

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 45.2465, 0.3355, 0.3107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

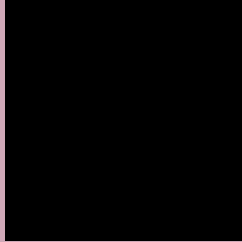
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.2465, 0.3355, 0.3107

Background



This preview shows how black text looks on a background with the Yxy color 45.2465, 0.3355, 0.3107.



This preview shows how white text looks on a background with the Yxy color 45.2465, 0.3355, 0.3107.

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

45.2465, 0.3355, 0.3107

Protanopia

45.2618, 0.3049, 0.3134

Deuteranopia

45.2931, 0.3239, 0.3176



Tritanopia

45.1632, 0.3373, 0.3132

Trichromacy



Original Color

45.2465, 0.3355, 0.3107

Protanomaly

45.2379, 0.3152, 0.3125

Deuteranomaly

45.2033, 0.3287, 0.3153

Tritanomaly

45.2047, 0.3364, 0.3120

Monochromacy



Original Color

45.2465, 0.3355, 0.3107

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

45.9395, 0.3201, 0.3214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2465, 0.3355, 0.3107 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(208, 169, 184)` looks like.

```
.text, #text, p{  
    color:rgb(208, 169, 184)  
}
```

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(208, 169, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 169, 184) }
```

Border

The CSS property to change the border of an element to Yxy 45.2465, 0.3355, 0.3107 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(208, 169, 184) }
```

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

```
.border{ border-color:rgb(208, 169, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 169, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 169, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 169, 184);  
box-shadow:4px 4px 4px 4px rgb(208, 169,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2465, 0.3355, 0.3107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 169, 184) }
```

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

```
.background{ background-color: rgb(208,  
169, 184) }
```

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