

Converting Colors

$Y_{xy}(45.7795, 0.3138, 0.2977)$

Have a look what the booklet for
Yxy(45.7795, 0.3138, 0.2977)
contains.

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Color

Yxy(45.9701, 0.3142, 0.2982)

Conversions

Conversions Part 1

Format	Color
Hex	C6ADC6
RGB	198, 173, 198
RGB Percent	78%, 68%, 78%
CMY	0.2233, 0.3216, 0.2235
CMYK	0.00, 0.13, 0.00, 0.22
HSL	300°, 18%, 73%
HSV	300°, 13%, 78%
XYZ	48.4366, 45.9701, 59.7519
YIQ	183.3250, 6.8750, 13.0750

Conversions

Conversions Part 2

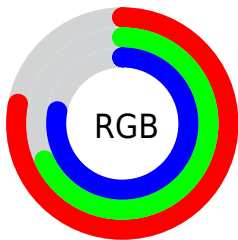
Format	Color
R _Y B	198, 173, 198
Decimal	13020614
CIE Lab	73.53, 13.49, -9.39
CIE LCh	74, 16.432, 325.163
Yxy	45.9701, 0.3142, 0.2982
Android (android.graphics.Color)	4291210694 (0xFFC6ADC6)
YUV	183.3250, 7.2348, 12.8700
Hunter-Lab	67.8013, 8.8667, -4.7902

Details

The Yxy color **45.9701, 0.3142, 0.2982** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **52.3140, 0.3111, 0.3619**, and the grayscale version is **47.5023, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9668, 0.3139, 0.3029**, and **21.6177, 0.3145, 0.2909** is the 20% darker color. If you saturate the color by 10%, you get **38.9304, 0.3154, 0.2734**, and if you desaturate by 10%, it is **54.1397, 0.3130, 0.3226**.

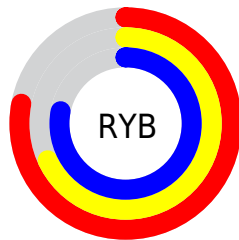
Distribution



Red (78%)

Green (68%)

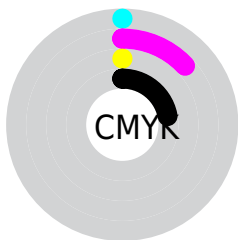
Blue (78%)



Red (78%)

Yellow (68%)

Blue (78%)

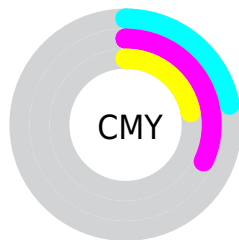


Cyan (0%)

Magenta (13%)

Yellow (0%)

Black (22%)



Cyan (22%)


Magenta (32%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9701, 0.3142, 0.2982 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 45.9701, 0.3142, 0.2982 by changing the saturation by 10% instead.


 45.9701, 0.3142,
0.2982

 45.9701, 0.3142,
0.2982


370.6884, 0.3136,
0.3133

 32.2222, 0.3143,
0.2945


 84.1742, 0.3140,
0.3036

 21.5313, 0.3144,
0.2899


109.3993, 0.3139,
0.3057

 13.5129, 0.3145,
0.2838


139.2189, 0.3139,
0.3074

 7.7827, 0.3146,
0.2754

174.0174, 0.3138,
0.3089

 3.9562, 0.3145,
0.2633

214.1792, 0.3138,
0.3102

 1.6491, 0.3140,
0.2442

260.0887, 0.3137,

 0.3904, 0.3217,

0.3114

0.1793

312.1303, 0.3137,
0.3124

0.0000, 0.0000,
0.0000

45.9701, 0.3142,
0.2982

45.9701, 0.3142,
0.2982

38.9304, 0.3154,
0.2734

54.1397, 0.3130,
0.3226

32.9652, 0.3166,
0.2489

63.4794, 0.3119,
0.3461

28.0234, 0.3177,
0.2257

74.0350, 0.3108,
0.3683

24.0477, 0.3188,
0.2046

85.8479, 0.3098,
0.3889

20.9746, 0.3197,
0.1866

87.6190, 0.3097,
0.3917

■ 18.7336, 0.3204,
0.1725

■ 87.6207, 0.3097,
0.3916

■ 17.2435, 0.3209,
0.1625

■ 87.6223, 0.3097,
0.3916

■ 16.4067, 0.3212,
0.1567

■ 87.6239, 0.3096,
0.3916

■ 16.0767, 0.3214,
0.1544

■ 87.6256, 0.3096,
0.3915

Harmonies

Analogous

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



45.9701, 0.2918, 0.2909



45.9701, 0.3142, 0.2982



45.9701, 0.3370, 0.3130

Triad

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



45.9701, 0.3142, 0.2982



45.9701, 0.3508, 0.3652



45.9701, 0.2735, 0.3238

Complementary

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



45.9701, 0.3142, 0.2982



52.3140, 0.3111, 0.3619

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.



45.9701, 0.2883, 0.3455



45.9701, 0.3142, 0.2982



45.9701, 0.3329, 0.3699

Square

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



45.9701, 0.3142, 0.2982



45.9701, 0.3585, 0.3510



45.9701, 0.3099, 0.3628



45.9701, 0.2689, 0.3046

Rectangle

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



45.9701, 0.3142, 0.2982



45.9701, 0.3490, 0.3254



45.9701, 0.3099, 0.3628



45.9701, 0.2775, 0.3311

Sweetspot

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



45.9721, 0.3142, 0.2982



93.6627, 0.3132, 0.3193



42.8434, 0.2928, 0.2961



19.8007, 0.3133, 0.3174



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.



45.9721, 0.3142, 0.2982



77.9725, 0.3145, 0.2918



45.4192, 0.3246, 0.3133



10.8163, 0.3138, 0.3063



10.4488, 0.3214, 0.1544



0.4949, 0.3213, 0.1543

Inverse Universe

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



45.9721, 0.3142, 0.2982



77.9725, 0.3145, 0.2918



52.8205, 0.3023, 0.3452



10.8163, 0.3138, 0.3063



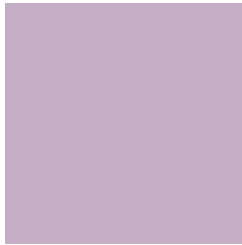
10.4488, 0.3214, 0.1544



0.4949, 0.3213, 0.1543

Previews

White Background



This preview shows how the Yxy color 45.9701, 0.3142, 0.2982 looks on a white background.

Color Contrast Check

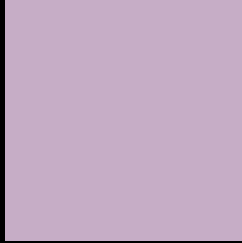
Large Text (above 18pt) WCAG AA × Fail

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 45.9701, 0.3142, 0.2982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

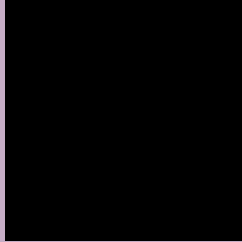
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.9701, 0.3142, 0.2982

Background



This preview shows how black text looks on a background with the Yxy color 45.9701, 0.3142, 0.2982.



This preview shows how white text looks on a background with the Yxy color 45.9701, 0.3142, 0.2982.

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

45.9701, 0.3142, 0.2982

Protanopia

45.9694, 0.2941, 0.2995

Deuteranopia

46.1583, 0.3088, 0.3027



Tritanopia

46.1611, 0.3214, 0.3128

Trichromacy



Original Color

45.9701, 0.3142, 0.2982

Protanomaly

45.9756, 0.3006, 0.2987

Deuteranomaly

46.1605, 0.3114, 0.3016

Tritanomaly

45.9482, 0.3182, 0.3066

Monochromacy



Original Color

45.9701, 0.3142, 0.2982

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.5624, 0.3133, 0.3175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9701, 0.3142, 0.2982 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, 173, 198)` looks like.

```
.text, #text, p{  
    color:rgb(198, 173, 198)  
}
```

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, 173, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 173, 198) }
```

Border

The CSS property to change the border of an element to Yxy 45.9701, 0.3142, 0.2982 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, 173, 198) }
```

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

```
.border{ border-color:rgb(198, 173, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 173, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 173, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 173, 198);  
box-shadow:4px 4px 4px 4px rgb(198, 173,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9701, 0.3142, 0.2982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 173, 198) }
```

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

```
.background{ background-color: rgb(198,  
173, 198) }
```

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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