

Converting Colors

$Y_{xy}(45.4470, 0.3142, 0.2960)$

Have a look what the booklet for
Yxy(45.4470, 0.3142, 0.2960)
contains.

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Color

Yxy(45.5880, 0.3142, 0.2970)

Conversions

Conversions Part 1

Format	Color
Hex	C6ACC6
RGB	198, 172, 198
RGB Percent	78%, 67%, 78%
CMY	0.2236, 0.3254, 0.2236
CMYK	0.00, 0.13, 0.00, 0.22
HSL	300°, 19%, 73%
HSV	300°, 13%, 78%
XYZ	48.2281, 45.5880, 59.6788
YIQ	182.7380, 7.1500, 13.5980

Conversions

Conversions Part 2

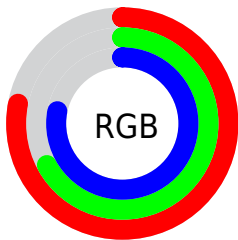
Format	Color
R_{YB}	198, 172, 198
Decimal	13020358
CIE _{Lab}	73.28, 13.99, -9.75
CIE _{LCh}	73, 17.048, 325.121
Yxy	45.5880, 0.3142, 0.2970
Android (android.graphics.Color)	4291210438 (0xFFC6ACC6)
YUV	182.7380, 7.5242, 13.3848
Hunter-Lab	67.5189, 9.3428, -5.1422

Details

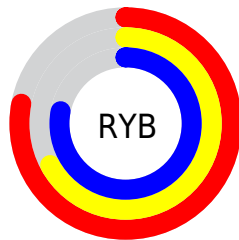
The Yxy color **45.5880, 0.3142, 0.2970** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **52.1389, 0.3111, 0.3632**, and the grayscale version is **47.1575, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4182, 0.3140, 0.3019**, and **21.3759, 0.3146, 0.2892** is the 20% darker color. If you saturate the color by 10%, you get **38.6037, 0.3154, 0.2721**, and if you desaturate by 10%, it is **53.6991, 0.3131, 0.3215**.

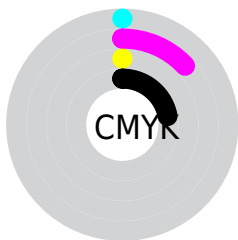
Distribution



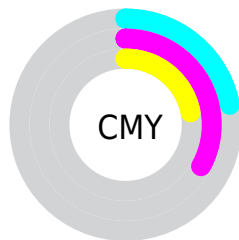
- Red (78%)
- Green (67%)
- Blue (78%)



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



- Cyan (0%)
- Magenta (13%)
- Yellow (0%)
- Black (22%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.5880, 0.3142, 0.2970 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 45.5880, 0.3142, 0.2970 by changing the saturation by 10% instead.


 45.5880, 0.3142,
0.2970

 45.5880, 0.3142,
0.2970


369.1498, 0.3136,
0.3127

 31.9208, 0.3143,
0.2932


 83.6021, 0.3140,
0.3026

 21.3010, 0.3144,
0.2883


108.7177, 0.3140,
0.3048

 13.3442, 0.3145,
0.2820


138.4184, 0.3139,
0.3066

 7.6660, 0.3145,
0.2733

173.0884, 0.3138,
0.3081

 3.8820, 0.3144,
0.2607

213.1121, 0.3138,
0.3095

 1.6078, 0.3138,
0.2408

258.8740, 0.3137,

 0.3628, 0.3222,

0.3107

0.1703

310.7584, 0.3137,
0.3117

0.0000, 0.0000,
0.0000

45.5880, 0.3142,
0.2970

45.5880, 0.3142,
0.2970

38.6037, 0.3154,
0.2721

53.6991, 0.3131,
0.3215

32.6908, 0.3165,
0.2477

62.9774, 0.3120,
0.3451

27.7980, 0.3176,
0.2245

73.4687, 0.3109,
0.3674

23.8677, 0.3185,
0.2035

85.2146, 0.3100,
0.3881

20.8364, 0.3193,
0.1857

87.6093, 0.3098,
0.3919

■ 18.6331, 0.3200,
0.1716

■ 87.6113, 0.3098,
0.3919

■ 17.1760, 0.3204,
0.1618

■ 87.6134, 0.3098,
0.3919

■ 16.3667, 0.3206,
0.1562

■ 87.6154, 0.3098,
0.3919

■ 16.0614, 0.3207,
0.1540

■ 87.6175, 0.3098,
0.3919

Harmonies

Analogous

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



45.5880, 0.2909, 0.2894



45.5880, 0.3142, 0.2970



45.5880, 0.3379, 0.3123

Triad

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



45.5880, 0.3142, 0.2970



45.5880, 0.3524, 0.3666



45.5880, 0.2720, 0.3236

Complementary

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



45.5880, 0.3142, 0.2970



52.1389, 0.3111, 0.3632

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.



45.5880, 0.2874, 0.3462



45.5880, 0.3142, 0.2970



45.5880, 0.3337, 0.3716

Square

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



45.5880, 0.3142, 0.2970



45.5880, 0.3604, 0.3518



45.5880, 0.3098, 0.3643



45.5880, 0.2672, 0.3036

Rectangle

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



45.5880, 0.3142, 0.2970



45.5880, 0.3505, 0.3252



45.5880, 0.3098, 0.3643



45.5880, 0.2761, 0.3312

Sweetspot

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



45.5900, 0.3142, 0.2970



93.6624, 0.3132, 0.3192



42.5253, 0.2920, 0.2953



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.



45.5900, 0.3142, 0.2970



76.6686, 0.3146, 0.2893



45.0370, 0.3248, 0.3122



10.8162, 0.3138, 0.3062



10.4461, 0.3207, 0.1541



0.4948, 0.3208, 0.1541

Inverse Universe

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



44.4956, 0.3364, 0.3290



74.3213, 0.3432, 0.3291



52.6422, 0.3022, 0.3464



10.6371, 0.3289, 0.3290



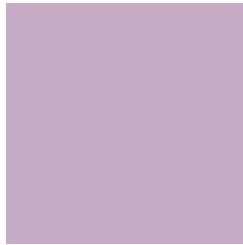
7.8079, 0.6400, 0.3299



0.3698, 0.6396, 0.3297

Previews

White Background



This preview shows how the Yxy color 45.5880, 0.3142, 0.2970 looks on a white background.

Color Contrast Check

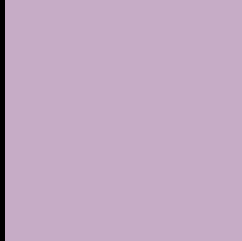
Large Text (above 18pt) WCAG AA × Fail

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 45.5880, 0.3142, 0.2970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

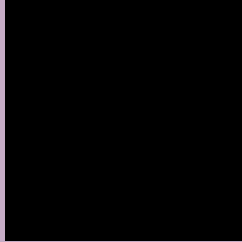
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.5880, 0.3142, 0.2970

Background



This preview shows how black text looks on a background with the Yxy color 45.5880, 0.3142, 0.2970.



This preview shows how white text looks on a background with the Yxy color 45.5880, 0.3142, 0.2970.

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

45.5880, 0.3142, 0.2970

Protanopia

45.8516, 0.2933, 0.2994

Deuteranopia

45.6383, 0.3080, 0.3013



Tritanopia

45.5957, 0.3214, 0.3127

Trichromacy



Original Color

45.5880, 0.3142, 0.2970

Protanomaly

45.5820, 0.3006, 0.2974

Deuteranomaly

45.6408, 0.3106, 0.3003

Tritanomaly

45.5190, 0.3191, 0.3066

Monochromacy



Original Color

45.5880, 0.3142, 0.2970

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 45.5880, 0.3142, 0.2970 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, 172, 198)` looks like.

```
.text, #text, p{  
    color:rgb(198, 172, 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, 172, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 172, 198) }
```

Border

The CSS property to change the border of an element to Yxy 45.5880, 0.3142, 0.2970 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, 172, 198) }
```

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

```
.border{ border-color:rgb(198, 172, 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, 172, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 172, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 172, 198);  
box-shadow:4px 4px 4px 4px rgb(198, 172,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5880, 0.3142, 0.2970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 172, 198) }
```

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

```
.background{ background-color: rgb(198,  
172, 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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