

Converting Colors

$Y_{xy}(45.4886, 0.2970, 0.2686)$

Have a look what the booklet for
Yxy(45.4886, 0.2970, 0.2686)
contains.

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Color

Yxy(45.5490, 0.2968, 0.2683)

Conversions

Conversions Part 1

Format	Color
Hex	C6A9DC
RGB	198, 169, 220
RGB Percent	78%, 66%, 86%
CMY	0.2236, 0.3372, 0.1373
CMYK	0.10, 0.23, 0.00, 0.14
HSL	274°, 42%, 76%
HSV	274°, 23%, 86%
XYZ	50.3874, 45.5490, 73.8325
YIQ	183.4850, 0.9130, 22.0090

Conversions

Conversions Part 2

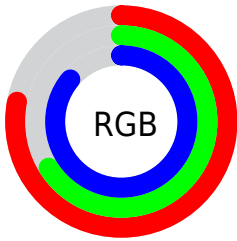
Format	Color
RYB	198, 169, 220
Decimal	13019612
CIELab	73.25, 19.96, -21.83
CIELCh	73, 29.577, 312.444
Yxy	45.5490, 0.2968, 0.2683
Android (android.graphics.Color)	4291209692 (0xFFC6A9DC)
YUV	183.4850, 18.0019, 12.7297
Hunter-Lab	67.4900, 15.1590, -17.6189

Details

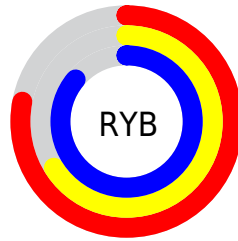
The Yxy color **45.5490, 0.2968, 0.2683** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **65.1213, 0.3256, 0.3908**, and the grayscale version is **47.5324, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7913, 0.3141, 0.2989**, and **21.3685, 0.2920, 0.2530** is the 20% darker color. If you saturate the color by 10%, you get **36.7915, 0.2881, 0.2397**, and if you desaturate by 10%, it is **55.7683, 0.3044, 0.2957**.

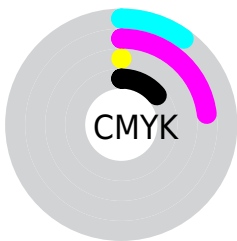
Distribution



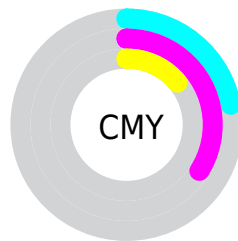
- Red (78%)
- Green (66%)
- Blue (86%)



- Red (78%)
- Yellow (66%)
- Blue (86%)



- Cyan (10%)
- Magenta (23%)
- Yellow (0%)
- Black (14%)




- Cyan (22%)
- Magenta (34%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.5490, 0.2968, 0.2683 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 45.5490, 0.2968, 0.2683 by changing the saturation by 10% instead.

 45.5490, 0.2968,
0.2683

 45.5490, 0.2968,
0.2683


368.9925, 0.3052,
0.2974

 31.8901, 0.2946,
0.2614


 83.5436, 0.2999,
0.2786

 21.2776, 0.2918,
0.2528


 108.6481, 0.3011,
0.2825

 13.3270, 0.2879,
0.2417


138.3366, 0.3020,
0.2859

 7.6541, 0.2824,
0.2269

172.9935, 0.3028,
0.2888

 3.8744, 0.2740,
0.2063

213.0031, 0.3036,
0.2914

 1.6036, 0.2601,
0.1761

258.7499, 0.3042,

 0.3600, 0.2400,

0.2936

0.1042

310.6182, 0.3047,
0.2956

0.0000, 0.0000,
0.0000

45.5490, 0.2968,
0.2683

45.5490, 0.2968,
0.2683

36.7915, 0.2881,
0.2397

55.7683, 0.3044,
0.2957

29.4197, 0.2782,
0.2108

67.5091, 0.3109,
0.3213

23.3592, 0.2675,
0.1825

80.8347, 0.3163,
0.3449

18.5261, 0.2560,
0.1563

94.5142, 0.3211,
0.3645

14.8265, 0.2443,
0.1334

96.1834, 0.3272,
0.3638

■ 12.1521, 0.2329,
0.1152

■ 97.9404, 0.3333,
0.3631

■ 10.3726, 0.2221,
0.1023

■ 97.9463, 0.3334,
0.3631

■ 9.5255, 0.2152,
0.0959

Harmonies

Analogous

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



45.5490, 0.2612, 0.2616



45.5490, 0.2968, 0.2683



45.5490, 0.3392, 0.2886

Triad

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



45.5490, 0.2968, 0.2683



45.5490, 0.3899, 0.3829



45.5490, 0.2522, 0.3354

Complementary

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



45.5490, 0.2968, 0.2683



65.1213, 0.3256, 0.3908

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.



45.5490, 0.2837, 0.3750



45.5490, 0.2968, 0.2683



45.5490, 0.3634, 0.4020

Square

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



45.5490, 0.2968, 0.2683



45.5490, 0.3950, 0.3522



45.5490, 0.3243, 0.4003



45.5490, 0.2369, 0.2969

Rectangle

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



45.5490, 0.2968, 0.2683



45.5490, 0.3653, 0.3078



45.5490, 0.3243, 0.4003



45.5490, 0.2611, 0.3492

Sweetspot

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



45.5509, 0.2968, 0.2683



87.7026, 0.3085, 0.3116



50.9092, 0.2757, 0.2928



18.5560, 0.3081, 0.3100



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.



45.5509, 0.2968, 0.2683



57.2092, 0.2925, 0.2539



48.5832, 0.3182, 0.2752



12.9804, 0.3069, 0.3055



5.6585, 0.2167, 0.0967



0.4171, 0.2331, 0.1058

Inverse Universe

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



47.3577, 0.3402, 0.3034



60.2521, 0.3480, 0.2974



62.6080, 0.3075, 0.3894



13.1444, 0.3224, 0.3189



9.4362, 0.5236, 0.2658



0.6284, 0.4825, 0.2432

Previews

White Background



This preview shows how the Yxy color 45.5490, 0.2968, 0.2683 looks on a white background.

Color Contrast Check

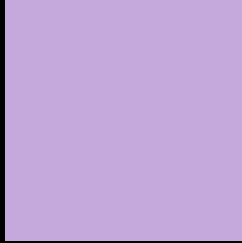
Large Text (above 18pt) WCAG AA × Fail

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 45.5490, 0.2968, 0.2683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

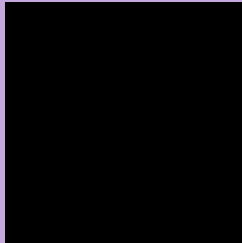
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.5490, 0.2968, 0.2683

Background



This preview shows how black text looks on a background with the Yxy color 45.5490, 0.2968, 0.2683.



This preview shows how white text looks on a background with the Yxy color 45.5490, 0.2968, 0.2683.

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

45.5490, 0.2968, 0.2683

Protanopia

45.6566, 0.2697, 0.2689

Deuteranopia

45.6301, 0.2817, 0.2754



Tritanopia

45.6282, 0.3179, 0.3126

Trichromacy



Original Color

45.5490, 0.2968, 0.2683

Protanomaly

45.6255, 0.2790, 0.2687

Deuteranomaly

45.3159, 0.2871, 0.2725

Tritanomaly

45.6594, 0.3099, 0.2956

Monochromacy



Original Color

45.5490, 0.2968, 0.2683

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.5177, 0.3070, 0.3063

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5490, 0.2968, 0.2683 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, 169, 220)` looks like.

```
.text, #text, p{  
    color:rgb(198, 169, 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(198, 169, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 169, 220) }
```

Border

The CSS property to change the border of an element to Yxy 45.5490, 0.2968, 0.2683 is called "border". The border property can be set on classes, ids or directly on the HTML element.

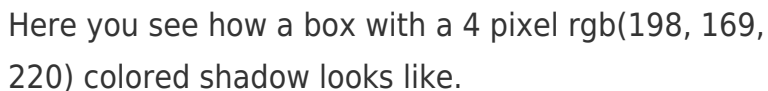
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 169, 220) }
```

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

```
.border{ border-color:rgb(198, 169, 220) }
```

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



Here you see how a box with a 4 pixel `rgb(198, 169, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 169, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 169, 220); box-shadow:4px 4px 4px 4px rgb(198, 169, 220) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5490, 0.2968, 0.2683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 169, 220) }
```

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

```
.background{ background-color: rgb(198,  
169, 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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