

Converting Colors

$Y_{xy}(47.1030, 0.2950, 0.2711)$

Have a look what the booklet for
Yxy(47.1030, 0.2950, 0.2711)
contains.

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Color

Yxy(47.0314, 0.2945, 0.2708)

Conversions

Conversions Part 1

Format	Color
Hex	C5ADDE
RGB	197, 173, 222
RGB Percent	77%, 68%, 87%
CMY	0.2276, 0.3215, 0.1294
CMYK	0.11, 0.22, 0.00, 0.13
HSL	269°, 43%, 77%
HSV	269°, 22%, 87%
XYZ	51.1475, 47.0314, 75.4969
YIQ	185.7620, -1.4250, 20.3270

Conversions

Conversions Part 2

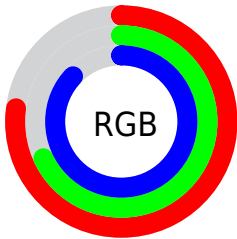
Format	Color
RYB	197, 173, 222
Decimal	12955102
CIELab	74.21, 17.86, -21.48
CIELCh	74, 27.936, 309.730
Yxy	47.0314, 0.2945, 0.2708
Android (android.graphics.Color)	4291145182 (0xFFC5ADDE)
YUV	185.7620, 17.8653, 9.8557
Hunter-Lab	68.5794, 13.1138, -17.2648

Details

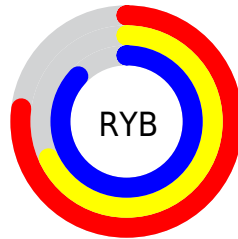
The Yxy color **47.0314, 0.2945, 0.2708** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **67.2815, 0.3279, 0.3872**, and the grayscale version is **48.8607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3295, 0.3132, 0.3038**, and **22.3044, 0.2890, 0.2564** is the 20% darker color. If you saturate the color by 10%, you get **37.7389, 0.2842, 0.2416**, and if you desaturate by 10%, it is **57.8580, 0.3035, 0.2984**.

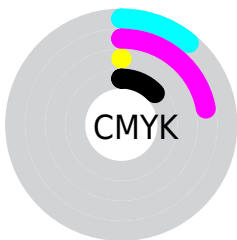
Distribution



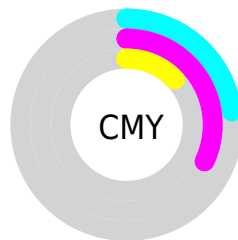
- Red (77%)
- Green (68%)
- Blue (87%)



- Red (77%)
- Yellow (68%)
- Blue (87%)



- Cyan (11%)
- Magenta (22%)
- Yellow (0%)
- Black (13%)





- Cyan (23%)
- Magenta (32%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.0314, 0.2945, 0.2708 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 47.0314, 0.2945, 0.2708 by changing the saturation by 10% instead.


 47.0314, 0.2945,
0.2708

 47.0314, 0.2945,
0.2708


374.9399, 0.3039,
0.2987

 33.0605, 0.2921,
0.2642


 85.7605, 0.2980,
0.2806

 22.1728, 0.2890,
0.2560


111.2875, 0.2993,
0.2844

 13.9839, 0.2848,
0.2454


141.4352, 0.3003,
0.2877

 8.1095, 0.2789,
0.2313

176.5882, 0.3013,
0.2904

 4.1651, 0.2701,
0.2117

217.1307, 0.3021,
0.2929

 1.7663, 0.2557,
0.1830

263.4472, 0.3028,


 0.4661, 0.2328,

0.2950

0.1234

315.9222, 0.3034,
0.2970


 0.0000, 0.0000,
0.0000


 47.0314, 0.2945,
0.2708


 47.0314, 0.2945,
0.2708


 37.7389, 0.2842,
0.2416


 57.8580, 0.3035,
0.2984

 29.9022, 0.2725,
0.2117


 70.2801, 0.3113,
0.3240

 23.4448, 0.2599,
0.1820

 84.3631, 0.3178,
0.3473

 18.2808, 0.2465,
0.1541

 95.7367, 0.3240,
0.3619

 14.3142, 0.2329,
0.1294

 97.8122, 0.3313,
0.3612

■ 11.4350, 0.2198,
0.1094

■ 98.0545, 0.3321,
0.3611

■ 9.5113, 0.2077,
0.0950

■ 8.4940, 0.1990,
0.0870

Harmonies

Analogous

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



47.0314, 0.2620, 0.2659



47.0314, 0.2945, 0.2708



47.0314, 0.3340, 0.2889

Triad

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



47.0314, 0.2945, 0.2708



47.0314, 0.3862, 0.3775



47.0314, 0.2582, 0.3386

Complementary

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



47.0314, 0.2945, 0.2708



67.2815, 0.3279, 0.3872

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.



47.0314, 0.2889, 0.3747



47.0314, 0.2945, 0.2708



47.0314, 0.3631, 0.3963

Square

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



47.0314, 0.2945, 0.2708



47.0314, 0.3889, 0.3482



47.0314, 0.3272, 0.3964



47.0314, 0.2421, 0.3021

Rectangle

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



47.0314, 0.2945, 0.2708



47.0314, 0.3588, 0.3066



47.0314, 0.3272, 0.3964



47.0314, 0.2670, 0.3514

Sweetspot

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



47.0334, 0.2945, 0.2708



87.4452, 0.3076, 0.3115



54.7004, 0.2779, 0.2999



18.4964, 0.3071, 0.3099



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.



47.0334, 0.2945, 0.2708



58.8743, 0.2904, 0.2589



50.5711, 0.3146, 0.2742



13.5704, 0.3057, 0.3053



5.1104, 0.2005, 0.0878



0.4074, 0.2174, 0.0971

Inverse Universe

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



49.5056, 0.3352, 0.3002



62.8324, 0.3405, 0.2946



64.2461, 0.3104, 0.3904



13.8169, 0.3212, 0.3171



9.9618, 0.4904, 0.2475



0.7086, 0.4572, 0.2292

Previews

White Background



This preview shows how the Yxy color 47.0314, 0.2945, 0.2708 looks on a white background.

Color Contrast Check

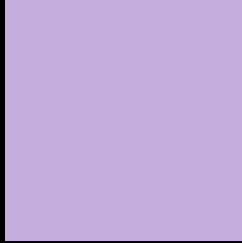
Large Text (above 18pt) WCAG AA × Fail

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 47.0314, 0.2945, 0.2708 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 47.0314, 0.2945, 0.2708

Background



This preview shows how black text looks on a background with the Yxy color 47.0314, 0.2945, 0.2708.



This preview shows how white text looks on a background with the Yxy color 47.0314, 0.2945, 0.2708.

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

47.0314, 0.2945, 0.2708

Protanopia

47.2517, 0.2716, 0.2720

Deuteranopia

47.2844, 0.2829, 0.2773



Tritanopia

46.8530, 0.3135, 0.3114

Trichromacy



Original Color

47.0314, 0.2945, 0.2708

Protanomaly

46.9803, 0.2793, 0.2715

Deuteranomaly

47.2295, 0.2874, 0.2755

Tritanomaly

46.8318, 0.3066, 0.2957

Monochromacy



Original Color

47.0314, 0.2945, 0.2708

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.1184, 0.3062, 0.3065

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0314, 0.2945, 0.2708 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(197, 173, 222)` looks like.

```
.text, #text, p{  
    color:rgb(197, 173, 222)  
}
```

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(197, 173, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 173, 222) }
```

Border

The CSS property to change the border of an element to Yxy 47.0314, 0.2945, 0.2708 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(197, 173, 222) }
```

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

```
.border{ border-color:rgb(197, 173, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 173, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 173, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 173, 222);  
box-shadow:4px 4px 4px 4px rgb(197, 173,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0314, 0.2945, 0.2708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 173, 222) }
```

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

```
.background{ background-color: rgb(197,  
173, 222) }
```

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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