

Converting Colors

$Y_{xy}(47.7128, 0.2917, 0.2674)$

Have a look what the booklet for
Yxy(47.7128, 0.2917, 0.2674)
contains.

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Color

Yxy(47.6334, 0.2916, 0.2677)

Conversions

Conversions Part 1

Format	Color
Hex	C5AEE2
RGB	197, 174, 226
RGB Percent	77%, 68%, 89%
CMY	0.2275, 0.3176, 0.1137
CMYK	0.13, 0.23, 0.00, 0.11
HSL	267°, 47%, 78%
HSV	267°, 23%, 89%
XYZ	51.8861, 47.6334, 78.4163
YIQ	186.8050, -2.9840, 21.0480

Conversions

Conversions Part 2

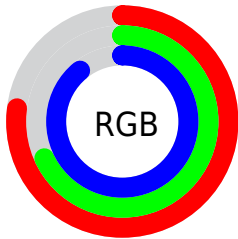
Format	Color
R _{YB}	197, 174, 226
Decimal	12955362
CIE Lab	74.59, 18.15, -23.08
CIE LCh	75, 29.361, 308.189
Yxy	47.6334, 0.2916, 0.2677
Android (android.graphics.Color)	4291145442 (0xFFC5AEE2)
YUV	186.8050, 19.3231, 8.9410
Hunter-Lab	69.0170, 13.4143, -19.0528

Details

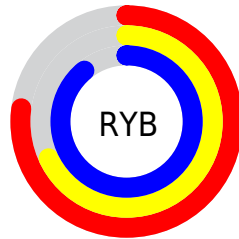
The Yxy color $47.6334, 0.2916, 0.2677$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $70.1557, 0.3303, 0.3896$, and the grayscale version is $49.4690, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.8845, 0.3132, 0.3048$, and $22.6990, 0.2852, 0.2525$ is the 20% darker color. If you saturate the color by 10%, you get $37.9921, 0.2801, 0.2380$, and if you desaturate by 10%, it is $58.8904, 0.3017, 0.2958$.

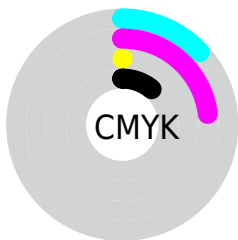
Distribution



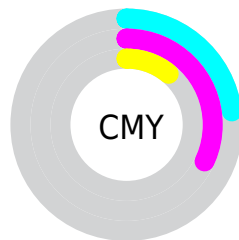
- Red (77%)
- Green (68%)
- Blue (89%)



- Red (77%)
- Yellow (68%)
- Blue (89%)



- Cyan (13%)
- Magenta (23%)
- Yellow (0%)
- Black (11%)




- Cyan (23%)
- Magenta (32%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6334, 0.2916, 0.2677 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 47.6334, 0.2916, 0.2677 by changing the saturation by 10% instead.


 47.6334, 0.2916,
0.2677

 47.6334, 0.2916,
0.2677


377.3372, 0.3024,
0.2969

 33.5367, 0.2889,
0.2608


 86.6583, 0.2956,
0.2780

 22.5379, 0.2853,
0.2523


112.3553, 0.2971,
0.2820

 14.2527, 0.2806,
0.2413


142.6878, 0.2983,
0.2853

 8.2966, 0.2740,
0.2268

178.0402, 0.2994,
0.2883

 4.2853, 0.2642,
0.2067

218.7970, 0.3003,
0.2909

 1.8344, 0.2484,
0.1775

265.3425, 0.3011,


 0.5085, 0.2226,


0.2931


0.1218


318.0611, 0.3018,
0.2951

 0.0000, 0.0000,
0.0000


 47.6334, 0.2916,
0.2677


 47.6334, 0.2916,
0.2677


 37.9921, 0.2801,
0.2380


 58.8904, 0.3017,
0.2958

 29.8837, 0.2673,
0.2074


 71.8289, 0.3104,
0.3217


 23.2266, 0.2534,
0.1771

 86.5182, 0.3177,
0.3452

 17.9293, 0.2388,
0.1486

 96.8673, 0.3249,
0.3576

 13.8893, 0.2243,
0.1236

 98.2714, 0.3297,
0.3572

■ 10.9888, 0.2104,
0.1034

■ 9.0860, 0.1980,
0.0892

■ 8.1915, 0.1902,
0.0822

Harmonies

Analogous

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



47.6334, 0.2584, 0.2633



47.6334, 0.2916, 0.2677



47.6334, 0.3328, 0.2860

Triad

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



47.6334, 0.2916, 0.2677



47.6334, 0.3903, 0.3781



47.6334, 0.2570, 0.3410

Complementary

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



47.6334, 0.2916, 0.2677



70.1557, 0.3303, 0.3896

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.



47.6334, 0.2896, 0.3786



47.6334, 0.2916, 0.2677



47.6334, 0.3670, 0.3988

Square

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



47.6334, 0.2916, 0.2677



47.6334, 0.3920, 0.3471



47.6334, 0.3299, 0.4003



47.6334, 0.2395, 0.3025

Rectangle

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



47.6334, 0.2916, 0.2677



47.6334, 0.3591, 0.3040



47.6334, 0.3299, 0.4003



47.6334, 0.2665, 0.3544

Sweetspot

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



47.6354, 0.2916, 0.2677



87.2941, 0.3070, 0.3115



57.4285, 0.2766, 0.3017



18.4614, 0.3065, 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.



47.6354, 0.2916, 0.2677



55.8034, 0.2858, 0.2525



51.3830, 0.3125, 0.2714



13.5381, 0.3049, 0.3053



4.7407, 0.1919, 0.0831



0.3810, 0.2092, 0.0926

Inverse Universe

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



50.7600, 0.3343, 0.2962



60.7276, 0.3405, 0.2885



66.8570, 0.3121, 0.3931



13.8280, 0.3205, 0.3160



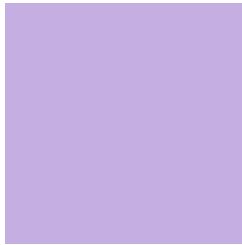
10.1104, 0.4707, 0.2367



0.7187, 0.4413, 0.2205

Previews

White Background



This preview shows how the Yxy color 47.6334, 0.2916, 0.2677 looks on a white background.

Color Contrast Check

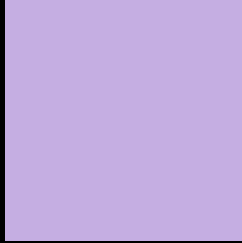
Large Text (above 18pt) WCAG AA × Fail

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 47.6334, 0.2916, 0.2677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

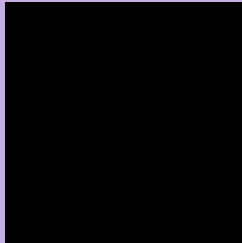
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.6334, 0.2916, 0.2677

Background



This preview shows how black text looks on a background with the Yxy color 47.6334, 0.2916, 0.2677.



This preview shows how white text looks on a background with the Yxy color 47.6334, 0.2916, 0.2677.

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

47.6334, 0.2916, 0.2677

Protanopia

47.8833, 0.2691, 0.2688

Deuteranopia

47.9025, 0.2802, 0.2741



Tritanopia

47.7440, 0.3118, 0.3115

Trichromacy



Original Color

47.6334, 0.2916, 0.2677

Protanomaly

47.6006, 0.2767, 0.2683

Deuteranomaly

47.8418, 0.2846, 0.2723

Tritanomaly

47.7664, 0.3042, 0.2947

Monochromacy



Original Color

47.6334, 0.2916, 0.2677

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

48.7493, 0.3055, 0.3054

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6334, 0.2916, 0.2677 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, 174, 226)` looks like.

```
.text, #text, p{  
    color:rgb(197, 174, 226)  
}
```

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, 174, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 174, 226) }
```

Border

The CSS property to change the border of an element to Yxy 47.6334, 0.2916, 0.2677 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, 174, 226) }
```

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

```
.border{ border-color:rgb(197, 174, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 174, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 174, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 174, 226);  
box-shadow:4px 4px 4px 4px rgb(197, 174,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6334, 0.2916, 0.2677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 174, 226) }
```

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

```
.background{ background-color: rgb(197,  
174, 226) }
```

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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