

Converting Colors

$Y_{xy}(48.2162, 0.2870, 0.2601)$

Have a look what the booklet for
Yxy(48.2162, 0.2870, 0.2601)
contains.

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Color

Yxy(48.1611, 0.2874, 0.2605)

Conversions

Conversions Part 1

Format	Color
Hex	C6AEE9
RGB	198, 174, 233
RGB Percent	78%, 68%, 91%
CMY	0.2235, 0.3176, 0.0863
CMYK	0.15, 0.25, 0.00, 0.09
HSL	264°, 57%, 80%
HSV	264°, 25%, 91%
XYZ	53.1344, 48.1611, 83.5840
YIQ	187.9020, -4.6350, 23.4370

Conversions

Conversions Part 2

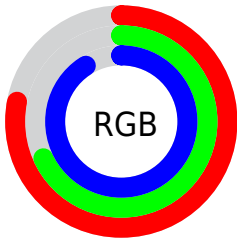
Format	Color
R_{YB}	198, 174, 233
Decimal	13020905
CIE _{Lab}	74.93, 19.97, -26.36
CIE _{LCh}	75, 33.066, 307.146
Yxy	48.1611, 0.2874, 0.2605
Android (android.graphics.Color)	4291210985 (0xFFC6AEE9)
YUV	187.9020, 22.2333, 8.8559
Hunter-Lab	69.3982, 15.2207, -22.8308

Details

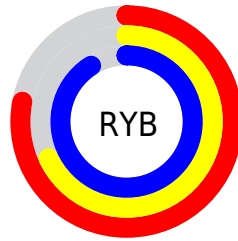
The Yxy color **48.1611, 0.2874, 0.2605** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **74.8861, 0.3335, 0.3959**, and the grayscale version is **50.1061, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0736, 0.3138, 0.3048**, and **22.7784, 0.2805, 0.2432** is the 20% darker color. If you saturate the color by 10%, you get **38.1348, 0.2748, 0.2301**, and if you desaturate by 10%, it is **59.9241, 0.2985, 0.2893**.

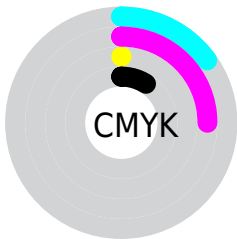
Distribution



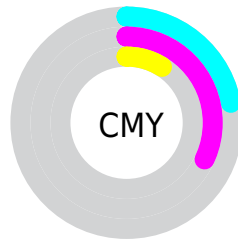
- Red (78%)
- Green (68%)
- Blue (91%)



- Red (78%)
- Yellow (68%)
- Blue (91%)



- Cyan (15%)
- Magenta (25%)
- Yellow (0%)
- Black (9%)



- Cyan (22%)
- Magenta (32%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.1611, 0.2874, 0.2605 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 48.1611, 0.2874, 0.2605 by changing the saturation by 10% instead.

■ 48.1611, 0.2874,
0.2605

■ 48.1611, 0.2874,
0.2605

379.4303, 0.3003,
0.2929

■ 33.9545, 0.2841,
0.2530

■ 87.4442, 0.2921,
0.2719

■ 22.8586, 0.2800,
0.2436

113.2895, 0.2939,
0.2762

■ 14.4892, 0.2744,
0.2317

143.7831, 0.2954,
0.2800

■ 8.4617, 0.2667,
0.2161

179.3095, 0.2967,
0.2833

■ 4.3917, 0.2555,
0.1948

220.2530, 0.2978,
0.2861

■ 1.8950, 0.2377,
0.1645

266.9981, 0.2987,

■ 0.5454, 0.2086,

0.2886

0.1119

319.9290, 0.2996,
0.2909

0.0000, 0.0000,
0.0000

48.1611, 0.2874,
0.2605

48.1611, 0.2874,
0.2605

38.1348, 0.2748,
0.2301

59.9241, 0.2985,
0.2893

29.7540, 0.2609,
0.1990

73.4971, 0.3082,
0.3158

22.9283, 0.2459,
0.1684

88.9561, 0.3164,
0.3400

17.5554, 0.2306,
0.1400

98.3384, 0.3245,
0.3503

13.5207, 0.2155,
0.1154

98.6631, 0.3256,
0.3503

■ 10.6910, 0.2015,
0.0963

■ 8.9038, 0.1893,
0.0833

■ 8.3067, 0.1842,
0.0788

Harmonies

Analogous

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



48.1611, 0.2511, 0.2560



48.1611, 0.2874, 0.2605



48.1611, 0.3334, 0.2802

Triad

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



48.1611, 0.2874, 0.2605



48.1611, 0.4002, 0.3822



48.1611, 0.2514, 0.3439

Complementary

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



48.1611, 0.2874, 0.2605



74.8861, 0.3335, 0.3959

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.



48.1611, 0.2881, 0.3864



48.1611, 0.2874, 0.2605



48.1611, 0.3745, 0.4066

Square

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



48.1611, 0.2874, 0.2605



48.1611, 0.4013, 0.3473



48.1611, 0.3331, 0.4100



48.1611, 0.2315, 0.3002

Rectangle

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



48.1611, 0.2874, 0.2605



48.1611, 0.3633, 0.2998



48.1611, 0.3331, 0.4100



48.1611, 0.2621, 0.3591

Sweetspot

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



48.1631, 0.2874, 0.2605



85.4452, 0.3057, 0.3088



60.6790, 0.2731, 0.3009



17.7386, 0.3043, 0.3049



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.



48.1631, 0.2874, 0.2605



52.9082, 0.2815, 0.2460



52.5025, 0.3108, 0.2651



14.8482, 0.3043, 0.3051



4.7816, 0.1857, 0.0797



0.4304, 0.2012, 0.0882

Inverse Universe

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



52.1987, 0.3353, 0.2905



58.6746, 0.3409, 0.2829



71.0241, 0.3132, 0.4003



15.2040, 0.3200, 0.3151



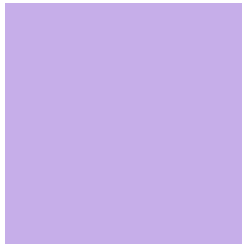
10.8990, 0.4567, 0.2289



0.8748, 0.4327, 0.2157

Previews

White Background



This preview shows how the Yxy color 48.1611, 0.2874, 0.2605 looks on a white background.

Color Contrast Check

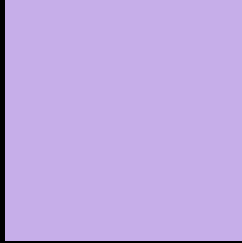
Large Text (above 18pt) WCAG AA × Fail

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 48.1611, 0.2874, 0.2605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

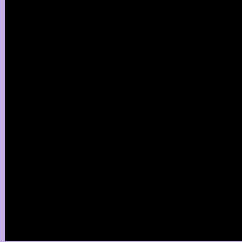
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.1611, 0.2874, 0.2605

Background



This preview shows how black text looks on a background with the Yxy color 48.1611, 0.2874, 0.2605.



This preview shows how white text looks on a background with the Yxy color 48.1611, 0.2874, 0.2605.

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

48.1611, 0.2874, 0.2605

Protanopia

48.2339, 0.2635, 0.2600

Deuteranopia

48.3389, 0.2734, 0.2673



Tritanopia

48.1943, 0.3110, 0.3115

Trichromacy



Original Color

48.1611, 0.2874, 0.2605

Protanomaly

48.0579, 0.2715, 0.2597

Deuteranomaly

47.9813, 0.2783, 0.2645

Tritanomaly

47.9136, 0.3019, 0.2912

Monochromacy



Original Color

48.1611, 0.2874, 0.2605

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

49.4331, 0.3040, 0.3032

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1611, 0.2874, 0.2605 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, 174, 233)` looks like.

```
.text, #text, p{  
    color:rgb(198, 174, 233)  
}
```

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, 174, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 174, 233) }
```

Border

The CSS property to change the border of an element to Yxy 48.1611, 0.2874, 0.2605 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, 174, 233) }
```

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

```
.border{ border-color:rgb(198, 174, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 174, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 174, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 174, 233);  
box-shadow:4px 4px 4px 4px rgb(198, 174,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1611, 0.2874, 0.2605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 174, 233) }
```

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

```
.background{ background-color: rgb(198,  
174, 233) }
```

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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