

Converting Colors

$Y_{xy}(46.8964, 0.3172, 0.2865)$

Have a look what the booklet for
Yxy(46.8964, 0.3172, 0.2865)
contains.

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Color

Yxy(46.7610, 0.3173, 0.2864)

Conversions

Conversions Part 1

Format	Color
Hex	D1AACE
RGB	209, 170, 206
RGB Percent	82%, 67%, 81%
CMY	0.1805, 0.3333, 0.1920
CMYK	0.00, 0.19, 0.01, 0.18
HSL	305°, 30%, 74%
HSV	305°, 19%, 82%
XYZ	51.8061, 46.7610, 64.7046
YIQ	185.7650, 11.6880, 19.4640

Conversions

Conversions Part 2

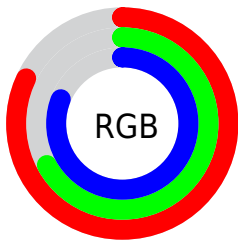
Format	Color
R _Y B	209, 170, 206
Decimal	13740750
CIE Lab	74.04, 20.34, -12.91
CIE LCh	74, 24.093, 327.595
Yxy	46.7610, 0.3173, 0.2864
Android (android.graphics.Color)	4291930830 (0xFFD1AACE)
YUV	185.7650, 9.9759, 20.3771
Hunter-Lab	68.3820, 15.5628, -8.2341

Details

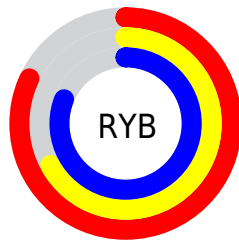
The Yxy color **46.7610, 0.3173, 0.2864** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **57.1499, 0.3084, 0.3757**, and the grayscale version is **48.9033, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3304, 0.3141, 0.2999**, and **22.0939, 0.3176, 0.2755** is the 20% darker color. If you saturate the color by 10%, you get **39.4639, 0.3201, 0.2632**, and if you desaturate by 10%, it is **55.3083, 0.3147, 0.3095**.

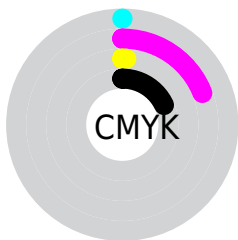
Distribution



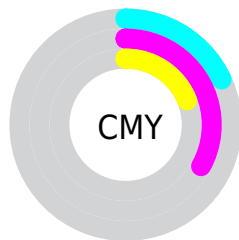
- Red (82%)
- Green (67%)
- Blue (81%)



- Red (82%)
- Yellow (67%)
- Blue (81%)



- Cyan (0%)
- Magenta (19%)
- Yellow (1%)
- Black (18%)





- Cyan (18%)
- Magenta (33%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7610, 0.3173, 0.2864 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 46.7610, 0.3173, 0.2864 by changing the saturation by 10% instead.


 46.7610, 0.3173,
0.2864

 46.7610, 0.3173,
0.2864


373.8597, 0.3153,
0.3070

 32.8468, 0.3177,
0.2815


 85.3568, 0.3166,
0.2937

 22.0091, 0.3182,
0.2753


110.8071, 0.3164,
0.2965

 13.8636, 0.3187,
0.2672


140.8715, 0.3161,
0.2989

 8.0258, 0.3194,
0.2564

175.9345, 0.3159,
0.3009

 4.1115, 0.3200,
0.2410

216.3804, 0.3158,
0.3027

 1.7361, 0.3204,
0.2176

262.5937, 0.3156,

 0.4469, 0.3270,

0.3043

0.1582

314.9586, 0.3155,
0.3057

0.0000, 0.0000,
0.0000

46.7610, 0.3173,
0.2864

46.7610, 0.3173,
0.2864

39.4639, 0.3201,
0.2632

55.3083, 0.3147,
0.3095

33.3522, 0.3231,
0.2406

65.1545, 0.3124,
0.3320

28.3644, 0.3262,
0.2195

76.3532, 0.3104,
0.3533

24.4313, 0.3294,
0.2010

88.9530, 0.3086,
0.3733

21.4758, 0.3326,
0.1859

89.9223, 0.3076,
0.3729

■ 19.4105, 0.3355,
0.1749

■ 90.0033, 0.3068,
0.3712

■ 18.1324, 0.3382,
0.1682

■ 90.0852, 0.3059,
0.3695

■ 17.4806, 0.3407,
0.1655

■ 90.1678, 0.3050,
0.3677

■ 17.4094, 0.3410,
0.1652

■ 90.2512, 0.3041,
0.3660

Harmonies

Analogous

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



46.7610, 0.2845, 0.2749



46.7610, 0.3173, 0.2864



46.7610, 0.3504, 0.3078

Triad

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



46.7610, 0.3173, 0.2864



46.7610, 0.3664, 0.3825



46.7610, 0.2552, 0.3182

Complementary

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



46.7610, 0.3173, 0.2864



57.1499, 0.3084, 0.3757

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.



46.7610, 0.2750, 0.3506



46.7610, 0.3173, 0.2864



46.7610, 0.3389, 0.3892

Square

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



46.7610, 0.3173, 0.2864



46.7610, 0.3795, 0.3619



46.7610, 0.3054, 0.3777



46.7610, 0.2501, 0.2912

Rectangle

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



46.7610, 0.3173, 0.2864



46.7610, 0.3676, 0.3255



46.7610, 0.3054, 0.3777



46.7610, 0.2603, 0.3288

Sweetspot

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



46.7630, 0.3173, 0.2864



90.5494, 0.3141, 0.3154



42.1962, 0.2842, 0.2787



19.1710, 0.3143, 0.3139



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.



46.7630, 0.3173, 0.2864



69.0108, 0.3183, 0.2780



45.8888, 0.3337, 0.3086



11.9930, 0.3149, 0.3078



10.7439, 0.3407, 0.1651



0.6054, 0.3367, 0.1628

Inverse Universe

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



46.7630, 0.3173, 0.2864



69.0108, 0.3183, 0.2780



57.9442, 0.2957, 0.3504



11.9930, 0.3149, 0.3078



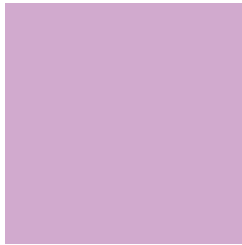
10.7439, 0.3407, 0.1651



0.6054, 0.3367, 0.1628

Previews

White Background



This preview shows how the Yxy color 46.7610, 0.3173, 0.2864 looks on a white background.

Color Contrast Check

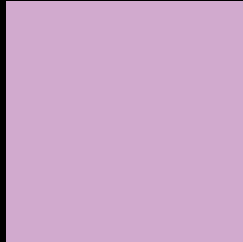
Large Text (above 18pt) WCAG AA × Fail

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 46.7610, 0.3173, 0.2864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

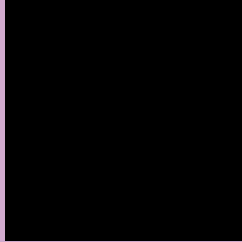
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.7610, 0.3173, 0.2864

Background



This preview shows how black text looks on a background with the Yxy color 46.7610, 0.3173, 0.2864.



This preview shows how white text looks on a background with the Yxy color 46.7610, 0.3173, 0.2864.

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

46.7610, 0.3173, 0.2864

Protanopia

47.0819, 0.2847, 0.2886

Deuteranopia

46.6709, 0.3008, 0.2942



Tritanopia

46.5968, 0.3305, 0.3120

Trichromacy



Original Color

46.7610, 0.3173, 0.2864

Protanomaly

46.7888, 0.2962, 0.2882

Deuteranomaly

46.4156, 0.3068, 0.2911

Tritanomaly

46.6655, 0.3255, 0.3025

Monochromacy



Original Color

46.7610, 0.3173, 0.2864

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

47.9621, 0.3143, 0.3128

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7610, 0.3173, 0.2864 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(209, 170, 206)` looks like.

```
.text, #text, p{  
    color:rgb(209, 170, 206)  
}
```

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(209, 170, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 170, 206) }
```

Border

The CSS property to change the border of an element to Yxy 46.7610, 0.3173, 0.2864 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(209, 170, 206) }
```

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

```
.border{ border-color:rgb(209, 170, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 170, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 170, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 170, 206);  
box-shadow:4px 4px 4px 4px rgb(209, 170,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7610, 0.3173, 0.2864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 170, 206) }
```

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

```
.background{ background-color: rgb(209,  
170, 206) }
```

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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