

Converting Colors

$Y_{xy}(48.6825, 0.3239, 0.2961)$

Have a look what the booklet for
Yxy(48.6825, 0.3239, 0.2961)
contains.

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Color

Yxy(48.6825, 0.3239, 0.2961)

Conversions

Conversions Part 1

Format	Color
Hex	D5AECA
RGB	213, 174, 202
RGB Percent	84%, 68%, 79%
CMY	0.1644, 0.3177, 0.2078
CMYK	0.00, 0.18, 0.05, 0.16
HSL	317°, 32%, 76%
HSV	317°, 18%, 84%
XYZ	53.2532, 48.6825, 62.4767
YIQ	188.8530, 14.2560, 16.9760

Conversions

Conversions Part 2

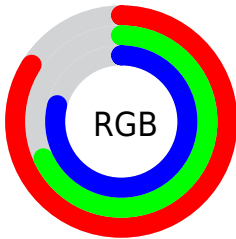
Format	Color
R_{YB}	213, 174, 202
Decimal	14003914
CIE _{Lab}	75.25, 18.86, -8.86
CIE _{LCh}	75, 20.842, 334.840
Yxy	48.6825, 0.3239, 0.2961
Android (android.graphics.Color)	4292193994 (0xFFD5AECA)
YUV	188.8530, 6.4815, 21.1769
Hunter-Lab	69.7728, 14.1352, -4.2491

Details

The Yxy color **48.6825, 0.3239, 0.2961** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **60.1228, 0.3031, 0.3643**, and the grayscale version is **50.7612, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0736, 0.3138, 0.3048**, and **23.0820, 0.3267, 0.2869** is the 20% darker color. If you saturate the color by 10%, you get **40.8162, 0.3315, 0.2775**, and if you desaturate by 10%, it is **57.8699, 0.3174, 0.3144**.

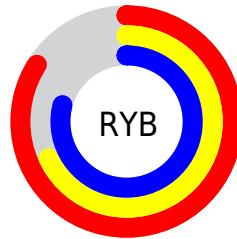
Distribution



Red (84%)

Green (68%)

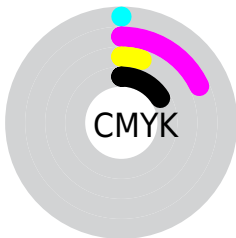
Blue (79%)



Red (84%)

Yellow (68%)

Blue (79%)

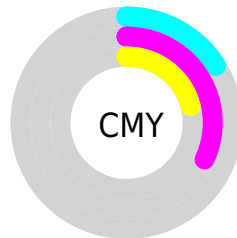


Cyan (0%)

Magenta (18%)

Yellow (5%)

Black (16%)



Cyan (16%)


Magenta (32%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.6825, 0.3239, 0.2961 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 48.6825, 0.3239, 0.2961 by changing the saturation by 10% instead.

 48.6825, 0.3239,
0.2961

 48.6825, 0.3239,
0.2961

381.4911, 0.3186,
0.3120

 34.3677, 0.3252,
0.2923

 88.2197, 0.3220,
0.3018

 23.1762, 0.3268,
0.2875


114.2109, 0.3213,
0.3039

 14.7237, 0.3288,
0.2812


144.8630, 0.3207,
0.3058

 8.6257, 0.3315,
0.2728

180.5604, 0.3201,
0.3073

 4.4978, 0.3354,
0.2608

221.6875, 0.3197,
0.3087

 1.9558, 0.3412,
0.2423

268.6287, 0.3192,

 0.5816, 0.3548,

0.3100

0.2013

321.7685, 0.3189,
0.3110

0.0000, 0.0000,
0.0000

48.6825, 0.3239,
0.2961

48.6825, 0.3239,
0.2961

40.8162, 0.3315,
0.2775

57.8699, 0.3174,
0.3144

34.2031, 0.3401,
0.2590

68.4296, 0.3119,
0.3318

28.7788, 0.3499,
0.2415

80.4177, 0.3072,
0.3483

24.4707, 0.3606,
0.2260

91.1734, 0.3034,
0.3594

21.1982, 0.3721,
0.2136

91.5102, 0.3000,
0.3529

■ 18.8696, 0.3839,
0.2051

■ 91.8587, 0.2967,
0.3465

■ 17.3772, 0.3957,
0.2015

■ 92.2190, 0.2935,
0.3401

■ 16.5601, 0.4072,
0.2024

■ 92.5913, 0.2903,
0.3339

■ 16.4507, 0.4091,
0.2028

■ 92.8963, 0.2878,
0.3289

Harmonies

Analogous

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



48.6825, 0.2950, 0.2838



48.6825, 0.3239, 0.2961



48.6825, 0.3508, 0.3163

Triad

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



48.6825, 0.3239, 0.2961



48.6825, 0.3539, 0.3774



48.6825, 0.2610, 0.3138

Complementary

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



48.6825, 0.3239, 0.2961



60.1228, 0.3031, 0.3643

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.



48.6825, 0.2753, 0.3409



48.6825, 0.3239, 0.2961



48.6825, 0.3286, 0.3791

Square

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



48.6825, 0.3239, 0.2961



48.6825, 0.3684, 0.3625



48.6825, 0.2999, 0.3656



48.6825, 0.2598, 0.2927

Rectangle

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



48.6825, 0.3239, 0.2961



48.6825, 0.3634, 0.3321



48.6825, 0.2999, 0.3656



48.6825, 0.2644, 0.3225

Sweetspot

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



48.6846, 0.3239, 0.2961



90.3482, 0.3160, 0.3184



45.3108, 0.2909, 0.2804



19.1233, 0.3164, 0.3173



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.



48.6846, 0.3239, 0.2961



68.3011, 0.3267, 0.2889



47.8426, 0.3401, 0.3181



12.5700, 0.3180, 0.3124



10.0599, 0.4076, 0.2019



0.6206, 0.3892, 0.1918

Inverse Universe

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



48.6846, 0.3239, 0.2961



68.3011, 0.3267, 0.2889



60.9759, 0.2910, 0.3402



12.5700, 0.3180, 0.3124



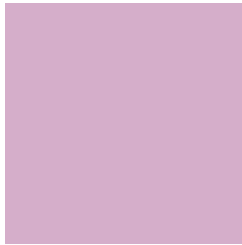
10.0599, 0.4076, 0.2019



0.6206, 0.3892, 0.1918

Previews

White Background



This preview shows how the Yxy color 48.6825, 0.3239, 0.2961 looks on a white background.

Color Contrast Check

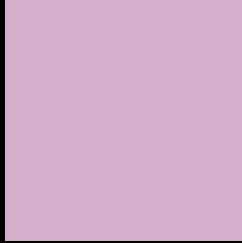
Large Text (above 18pt) WCAG AA × Fail

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 48.6825, 0.3239, 0.2961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

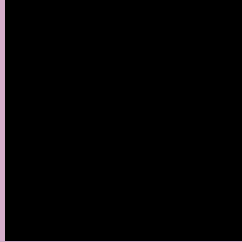
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.6825, 0.3239, 0.2961

Background



This preview shows how black text looks on a background with the Yxy color 48.6825, 0.3239, 0.2961.



This preview shows how white text looks on a background with the Yxy color 48.6825, 0.3239, 0.2961.

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

48.6825, 0.3239, 0.2961

Protanopia

48.7801, 0.2931, 0.2990

Deuteranopia

48.7299, 0.3105, 0.3033



Tritanopia

48.6173, 0.3320, 0.3123

Trichromacy



Original Color

48.6825, 0.3239, 0.2961

Protanomaly

48.4362, 0.3034, 0.2971

Deuteranomaly

48.7543, 0.3157, 0.3013

Tritanomaly

48.5520, 0.3296, 0.3065

Monochromacy



Original Color

48.6825, 0.3239, 0.2961

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.1818, 0.3167, 0.3167

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6825, 0.3239, 0.2961 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(213, 174, 202)` looks like.

```
.text, #text, p{  
    color:rgb(213, 174, 202)  
}
```

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(213, 174, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 174, 202) }
```

Border

The CSS property to change the border of an element to Yxy 48.6825, 0.3239, 0.2961 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(213, 174, 202) }
```

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

```
.border{ border-color:rgb(213, 174, 202) }
```

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

Here you see how a box with a 4 pixel rgb(213, 174, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 174, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 174, 202);  
box-shadow:4px 4px 4px 4px rgb(213, 174,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6825, 0.3239, 0.2961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 174, 202) }
```

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

```
.background{ background-color: rgb(213,  
174, 202) }
```

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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