

Converting Colors

$Y_{xy}(46.9025, 0.3066, 0.2876)$

Have a look what the booklet for
Yxy(46.9025, 0.3066, 0.2876)
contains.

Yxy(46.9683, 0.3069, 0.2879)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.9683, 0.3069, 0.2879)

Conversions

Conversions Part 1

Format	Color
Hex	C7AED0
RGB	199, 174, 208
RGB Percent	78%, 68%, 82%
CMY	0.2197, 0.3176, 0.1843
CMYK	0.04, 0.16, 0.00, 0.18
HSL	284°, 27%, 75%
HSV	284°, 16%, 82%
XYZ	50.0680, 46.9683, 66.1047
YIQ	185.3510, 3.9860, 15.8740

Conversions

Conversions Part 2

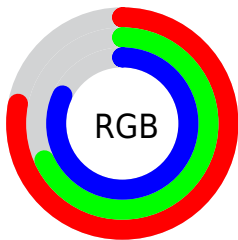
Format	Color
R _{YB}	199, 174, 208
Decimal	13086416
CIE _{Lab}	74.17, 15.15, -13.89
CIE _{LCh}	74, 20.550, 317.489
Yxy	46.9683, 0.3069, 0.2879
Android (android.graphics.Color)	4291276496 (0xFFC7AED0)
YUV	185.3510, 11.1660, 11.9702
Hunter-Lab	68.5334, 10.4720, -9.2155

Details

The Yxy color $46.9683, 0.3069, 0.2879$ is a light color, and the websafe version is hex $CC99CC$. A complement of this color would be $58.2456, 0.3175, 0.3718$, and the grayscale version is $48.6557, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.0736, 0.3138, 0.3048$, and $22.2719, 0.3046, 0.2773$ is the 20% darker color. If you saturate the color by 10%, you get $38.8021, 0.3024, 0.2613$, and if you desaturate by 10%, it is $56.4105, 0.3107, 0.3135$.

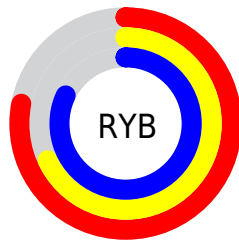
Distribution



Red (78%)

Green (68%)

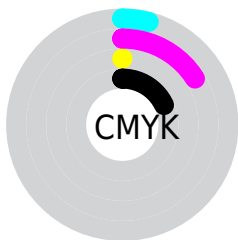
Blue (82%)



Red (78%)

Yellow (68%)

Blue (82%)

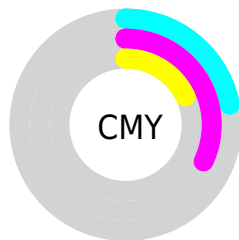


Cyan (4%)

Magenta (16%)

Yellow (0%)

Black (18%)



Cyan (22%)


Magenta (32%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9683, 0.3069, 0.2879 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 46.9683, 0.3069, 0.2879 by changing the saturation by 10% instead.


 46.9683, 0.3069,
0.2879

 46.9683, 0.3069,
0.2879


374.6880, 0.3100,
0.3078

 33.0106, 0.3061,
0.2831


 85.6663, 0.3081,
0.2950

 22.1346, 0.3049,
0.2771


111.1754, 0.3085,
0.2977

 13.9558, 0.3034,
0.2692


141.3037, 0.3089,
0.3000

 8.0899, 0.3012,
0.2586

176.4357, 0.3092,
0.3020

 4.1526, 0.2977,
0.2435

216.9557, 0.3094,
0.3037

 1.7593, 0.2916,
0.2204

263.2482, 0.3097,

 0.4616, 0.2849,

0.3053

0.1626

315.6975, 0.3099,
0.3066

■ 0.0000, 0.0000,
0.0000

■ 46.9683, 0.3069,
0.2879

■ 46.9683, 0.3069,
0.2879

■ 38.8021, 0.3024,
0.2613

■ 56.4105, 0.3107,
0.3135

■ 31.8486, 0.2972,
0.2343

■ 67.1765, 0.3138,
0.3376

■ 26.0480, 0.2913,
0.2078

■ 79.3188, 0.3163,
0.3600

■ 21.3328, 0.2848,
0.1830

■ 91.4614, 0.3185,
0.3784

■ 17.6286, 0.2779,
0.1609

■ 92.3447, 0.3220,
0.3778

■ 14.8514, 0.2707,
0.1427

■ 93.2568, 0.3256,
0.3773

■ 12.9030, 0.2635,
0.1290

■ 94.1981, 0.3292,
0.3768

■ 11.6594, 0.2565,
0.1199

■ 95.1688, 0.3328,
0.3762

■ 11.2961, 0.2540,
0.1173

■ 96.1692, 0.3364,
0.3757

Harmonies

Analogous

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



46.9683, 0.2806, 0.2816



46.9683, 0.3069, 0.2879



46.9683, 0.3359, 0.3039

Triad

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



46.9683, 0.3069, 0.2879



46.9683, 0.3639, 0.3700



46.9683, 0.2679, 0.3292

Complementary

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



46.9683, 0.3069, 0.2879



58.2456, 0.3175, 0.3718

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.



46.9683, 0.2887, 0.3560



46.9683, 0.3069, 0.2879



46.9683, 0.3441, 0.3798

Square

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



46.9683, 0.3069, 0.2879



46.9683, 0.3697, 0.3501



46.9683, 0.3164, 0.3751



46.9683, 0.2589, 0.3038

Rectangle

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



46.9683, 0.3069, 0.2879



46.9683, 0.3527, 0.3183



46.9683, 0.3164, 0.3751



46.9683, 0.2737, 0.3384

Sweetspot

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



46.9703, 0.3069, 0.2879



91.4957, 0.3111, 0.3167



47.4551, 0.2868, 0.2972



19.3374, 0.3109, 0.3149



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.



46.9703, 0.3069, 0.2879



69.1833, 0.3052, 0.2776



47.8629, 0.3211, 0.2979



11.8443, 0.3096, 0.3058



7.0892, 0.2549, 0.1178



0.4340, 0.2675, 0.1247

Inverse Universe

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



47.1105, 0.3356, 0.3181



69.4849, 0.3423, 0.3153



57.4906, 0.3053, 0.3622



11.8591, 0.3249, 0.3228



8.5454, 0.5862, 0.3003



0.4911, 0.5328, 0.2709

Previews

White Background



This preview shows how the Yxy color 46.9683, 0.3069, 0.2879 looks on a white background.

Color Contrast Check

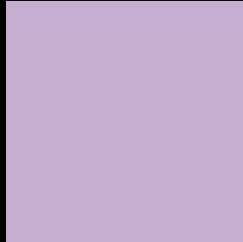
Large Text (above 18pt) WCAG AA × Fail

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 46.9683, 0.3069, 0.2879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

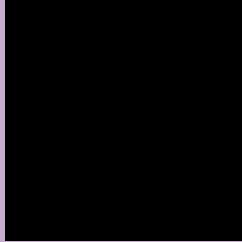
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.9683, 0.3069, 0.2879

Background



This preview shows how black text looks on a background with the Yxy color 46.9683, 0.3069, 0.2879.



This preview shows how white text looks on a background with the Yxy color 46.9683, 0.3069, 0.2879.

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

46.9683, 0.3069, 0.2879

Protanopia

47.1990, 0.2855, 0.2887

Deuteranopia

47.1646, 0.2993, 0.2931



Tritanopia

46.9416, 0.3179, 0.3116

Trichromacy



Original Color

46.9683, 0.3069, 0.2879

Protanomaly

46.8582, 0.2931, 0.2880

Deuteranomaly

47.2867, 0.3026, 0.2922

Tritanomaly

46.9522, 0.3139, 0.3031

Monochromacy



Original Color

46.9683, 0.3069, 0.2879

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

47.8452, 0.3109, 0.3139

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9683, 0.3069, 0.2879 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(199, 174, 208)` looks like.

```
.text, #text, p{  
    color:rgb(199, 174, 208)  
}
```

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(199, 174, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 174, 208) }
```

Border

The CSS property to change the border of an element to Yxy 46.9683, 0.3069, 0.2879 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(199, 174, 208) }
```

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

```
.border{ border-color:rgb(199, 174, 208) }
```

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

Here you see how a box with a 4 pixel rgb(199, 174, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 174, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 174, 208);  
box-shadow:4px 4px 4px 4px rgb(199, 174,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9683, 0.3069, 0.2879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 174, 208) }
```

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

```
.background{ background-color: rgb(199,  
174, 208) }
```

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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