

Converting Colors

$Y_{xy}(49.9735, 0.3084, 0.2985)$

Have a look what the booklet for
Yxy(49.9735, 0.3084, 0.2985)
contains.

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Color

Yxy(49.8321, 0.3083, 0.2977)

Conversions

Conversions Part 1

Format	Color
Hex	C8B5CF
RGB	200, 181, 207
RGB Percent	78%, 71%, 81%
CMY	0.2157, 0.2902, 0.1881
CMYK	0.03, 0.13, 0.00, 0.19
HSL	284°, 21%, 76%
HSV	284°, 13%, 81%
XYZ	51.6064, 49.8321, 65.9518
YIQ	189.6450, 2.9780, 12.1140

Conversions

Conversions Part 2

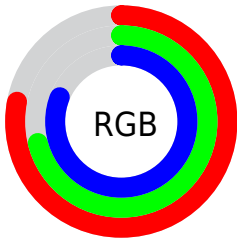
Format	Color
R _Y B	200, 181, 207
Decimal	13153743
CIE Lab	75.97, 11.50, -10.66
CIE LCh	76, 15.679, 317.174
Yxy	49.8321, 0.3083, 0.2977
Android (android.graphics.Color)	4291343823 (0xFFC8B5CF)
YUV	189.6450, 8.5560, 9.0813
Hunter-Lab	70.5919, 6.9573, -5.9785

Details

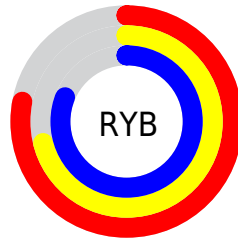
The Yxy color $49.8321, 0.3083, 0.2977$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $58.6770, 0.3165, 0.3613$, and the grayscale version is $51.2276, 0.3127, 0.3290$.

A 20% lighter version of the original color is $89.0484, 0.3135, 0.3117$, and $23.8492, 0.3067, 0.2888$ is the 20% darker color. If you saturate the color by 10%, you get $41.2731, 0.3040, 0.2714$, and if you desaturate by 10%, it is $59.6748, 0.3119, 0.3228$.

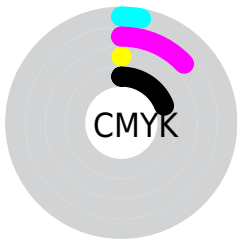
Distribution



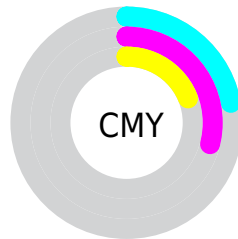
- Red (78%)
- Green (71%)
- Blue (81%)



- Red (78%)
- Yellow (71%)
- Blue (81%)



- Cyan (3%)
- Magenta (13%)
- Yellow (0%)
- Black (19%)




- Cyan (22%)
- Magenta (29%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8321, 0.3083, 0.2977 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 49.8321, 0.3083, 0.2977 by changing the saturation by 10% instead.

 49.8321, 0.3083,
0.2977

 49.8321, 0.3083,
0.2977


386.0090, 0.3106,
0.3128

 35.2800, 0.3077,
0.2941


 89.9261, 0.3092,
0.3031

 23.8786, 0.3069,
0.2895


116.2367, 0.3095,
0.3051

 15.2436, 0.3058,
0.2835


147.2357, 0.3097,
0.3069

 8.9905, 0.3043,
0.2755

183.3074, 0.3100,
0.3084

 4.7350, 0.3019,
0.2640

224.8361, 0.3102,
0.3097

 2.0926, 0.2978,
0.2463

272.2064, 0.3103,

 0.6605, 0.2912,

0.3109

0.2113

325.8025, 0.3105,
0.3119

0.0000, 0.0000,
0.0000

49.8321, 0.3083,
0.2977

49.8321, 0.3083,
0.2977

41.2731, 0.3040,
0.2714

59.6748, 0.3119,
0.3228

33.9361, 0.2990,
0.2444

70.8466, 0.3149,
0.3463

27.7638, 0.2932,
0.2175

83.3986, 0.3172,
0.3679

22.6919, 0.2868,
0.1919

91.6208, 0.3199,
0.3793

18.6495, 0.2798,
0.1686

92.5228, 0.3235,
0.3787

■ 15.5575, 0.2726,
0.1487

■ 93.4545, 0.3271,
0.3782

■ 13.3249, 0.2652,
0.1331

■ 94.4162, 0.3307,
0.3776

■ 11.8424, 0.2580,
0.1223

■ 95.4081, 0.3344,
0.3770

■ 11.0847, 0.2528,
0.1166

■ 96.4306, 0.3381,
0.3765

Harmonies

Analogous

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



49.8321, 0.2885, 0.2931



49.8321, 0.3083, 0.2977



49.8321, 0.3300, 0.3099

Triad

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



49.8321, 0.3083, 0.2977



49.8321, 0.3511, 0.3598



49.8321, 0.2791, 0.3296

Complementary

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



49.8321, 0.3083, 0.2977



58.6770, 0.3165, 0.3613

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.



49.8321, 0.2950, 0.3492



49.8321, 0.3083, 0.2977



49.8321, 0.3366, 0.3668

Square

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



49.8321, 0.3083, 0.2977



49.8321, 0.3552, 0.3451



49.8321, 0.3160, 0.3631



49.8321, 0.2721, 0.3106

Rectangle

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



49.8321, 0.3083, 0.2977



49.8321, 0.3424, 0.3209



49.8321, 0.3160, 0.3631



49.8321, 0.2836, 0.3364

Sweetspot

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



49.8342, 0.3083, 0.2977



93.1439, 0.3114, 0.3192



50.4602, 0.2931, 0.3056



19.6690, 0.3112, 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.



49.8342, 0.3083, 0.2977



76.0656, 0.3072, 0.2909



50.5559, 0.3186, 0.3048



11.8414, 0.3095, 0.3058



7.0300, 0.2538, 0.1172



0.4310, 0.2666, 0.1242

Inverse Universe

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



49.9533, 0.3295, 0.3205



76.3088, 0.3336, 0.3187



58.0397, 0.3073, 0.3545



11.8601, 0.3249, 0.3227



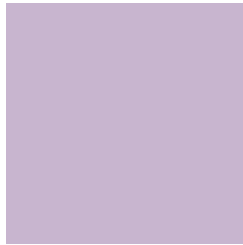
8.5516, 0.5846, 0.2994



0.4916, 0.5312, 0.2700

Previews

White Background



This preview shows how the Yxy color 49.8321, 0.3083, 0.2977 looks on a white background.

Color Contrast Check

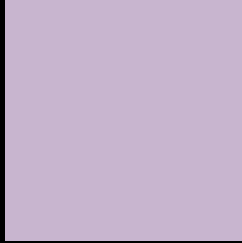
Large Text (above 18pt) WCAG AA × Fail

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 49.8321, 0.3083, 0.2977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

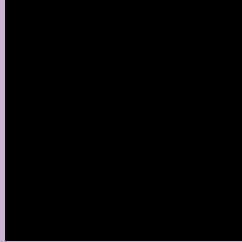
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.8321, 0.3083, 0.2977

Background



This preview shows how black text looks on a background with the Yxy color 49.8321, 0.3083, 0.2977.



This preview shows how white text looks on a background with the Yxy color 49.8321, 0.3083, 0.2977.

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

49.8321, 0.3083, 0.2977

Protanopia

49.9613, 0.2932, 0.2992

Deuteranopia

49.8312, 0.3058, 0.2987



Tritanopia

49.9040, 0.3144, 0.3119

Trichromacy



Original Color

49.8321, 0.3083, 0.2977

Protanomaly

49.8316, 0.2987, 0.2983

Deuteranomaly

49.9667, 0.3067, 0.2988

Tritanomaly

49.8151, 0.3121, 0.3059

Monochromacy



Original Color

49.8321, 0.3083, 0.2977

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

50.9955, 0.3116, 0.3179

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8321, 0.3083, 0.2977 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(200, 181, 207)` looks like.

```
.text, #text, p{  
    color:rgb(200, 181, 207)  
}
```

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(200, 181, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 181, 207) }
```

Border

The CSS property to change the border of an element to Yxy 49.8321, 0.3083, 0.2977 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(200, 181, 207) }
```

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

```
.border{ border-color:rgb(200, 181, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 181, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 181, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 181, 207);  
box-shadow:4px 4px 4px 4px rgb(200, 181,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8321, 0.3083, 0.2977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 181, 207) }
```

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

```
.background{ background-color: rgb(200,  
181, 207) }
```

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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