

Converting Colors

$Y_{xy}(49.5465, 0.3078, 0.2674)$

Have a look what the booklet for
Yxy(49.5465, 0.3078, 0.2674)
contains.

Yxy(49.3685, 0.3080, 0.2672)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.3685, 0.3080, 0.2672)

Conversions

Conversions Part 1

Format	Color
Hex	D9ABE2
RGB	217, 171, 226
RGB Percent	85%, 67%, 89%
CMY	0.1490, 0.3294, 0.1137
CMYK	0.04, 0.24, 0.00, 0.11
HSL	290°, 49%, 78%
HSV	290°, 24%, 89%
XYZ	56.9068, 49.3685, 78.4870
YIQ	191.0240, 9.7610, 26.8570

Conversions

Conversions Part 2

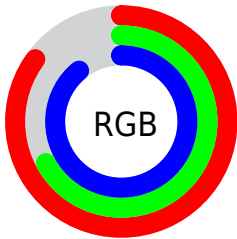
Format	Color
R _Y B	217, 171, 226
Decimal	14265314
CIE Lab	75.68, 26.24, -21.26
CIE LCh	76, 33.773, 320.994
Yxy	49.3685, 0.3080, 0.2672
Android (android.graphics.Color)	4292455394 (0xFFD9ABE2)
YUV	191.0240, 17.2432, 22.7810
Hunter-Lab	70.2627, 21.6100, -17.0461

Details

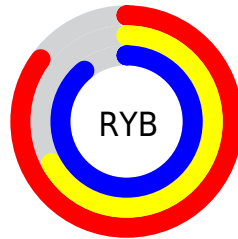
The Yxy color $49.3685, 0.3080, 0.2672$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $67.0424, 0.3157, 0.3965$, and the grayscale version is $52.0104, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.4182, 0.3140, 0.3019$, and $23.5785, 0.3060, 0.2512$ is the 20% darker color. If you saturate the color by 10%, you get $40.9891, 0.3053, 0.2411$, and if you desaturate by 10%, it is $59.2246, 0.3102, 0.2932$.

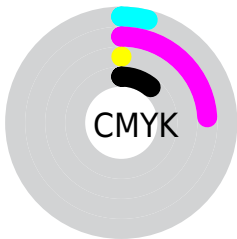
Distribution



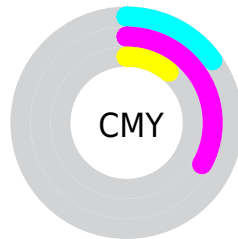
- Red (85%)
- Green (67%)
- Blue (89%)



- Red (85%)
- Yellow (67%)
- Blue (89%)



- Cyan (4%)
- Magenta (24%)
- Yellow (0%)
- Black (11%)





- Cyan (15%)
- Magenta (33%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.3685, 0.3080, 0.2672 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 49.3685, 0.3080, 0.2672 by changing the saturation by 10% instead.


 49.3685, 0.3080,
0.2672

 49.3685, 0.3080,
0.2672


384.1912, 0.3109,
0.2963

 34.9119, 0.3072,
0.2605


 89.2385, 0.3091,
0.2774

 23.5950, 0.3060,
0.2521


115.4207, 0.3095,
0.2813

 15.0335, 0.3044,
0.2415


146.2802, 0.3099,
0.2847

 8.8429, 0.3020,
0.2275

182.2014, 0.3101,
0.2876

 4.6388, 0.2981,
0.2083

223.5687, 0.3104,
0.2902

 2.0370, 0.2913,
0.1808

270.7665, 0.3106,

 0.6288, 0.2788,

0.2925

0.1345

324.1792, 0.3107,
0.2945

0.0000, 0.1616,
0.0000

0.0000, 0.0000,
0.0000

49.3685, 0.3080,
0.2672

49.3685, 0.3080,
0.2672

40.9891, 0.3053,
0.2411

59.2246, 0.3102,
0.2932

34.0057, 0.3021,
0.2157

70.6202, 0.3121,
0.3184

28.3396, 0.2985,
0.1922

83.6219, 0.3135,
0.3424

23.9016, 0.2946,
0.1715

94.1346, 0.3149,
0.3585

■ 20.5914, 0.2904,
0.1546

■ 94.7598, 0.3173,
0.3583

■ 18.2926, 0.2860,
0.1422

■ 95.3980, 0.3196,
0.3581

■ 16.8635, 0.2817,
0.1343

■ 96.0495, 0.3220,
0.3578

■ 16.3109, 0.2793,
0.1312

■ 96.7142, 0.3243,
0.3576

■ 97.3922, 0.3267,
0.3574

Harmonies

Analogous

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



49.3685, 0.2655, 0.2551



49.3685, 0.3080, 0.2672



49.3685, 0.3550, 0.2929

Triad

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



49.3685, 0.3080, 0.2672



49.3685, 0.3919, 0.3962



49.3685, 0.2390, 0.3227

Complementary

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



49.3685, 0.3080, 0.2672



67.0424, 0.3157, 0.3965

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.



49.3685, 0.2689, 0.3686



49.3685, 0.3080, 0.2672



49.3685, 0.3571, 0.4125

Square

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



49.3685, 0.3080, 0.2672



49.3685, 0.4054, 0.3645



49.3685, 0.3119, 0.4033



49.3685, 0.2280, 0.2832

Rectangle

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



49.3685, 0.3080, 0.2672



49.3685, 0.3816, 0.3153



49.3685, 0.3119, 0.4033



49.3685, 0.2470, 0.3380

Sweetspot

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



49.3706, 0.3080, 0.2672



88.5852, 0.3116, 0.3117



46.8613, 0.2721, 0.2720



18.7607, 0.3115, 0.3102



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.



49.3706, 0.3080, 0.2672



59.3236, 0.3067, 0.2545



49.8352, 0.3307, 0.2878



13.8161, 0.3112, 0.3057



9.3488, 0.2800, 0.1316



0.6787, 0.2866, 0.1353

Inverse Universe

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



48.5929, 0.3553, 0.3187



58.1854, 0.3667, 0.3165



66.7448, 0.2983, 0.3742



13.7370, 0.3266, 0.3252



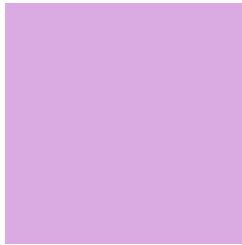
9.3120, 0.6157, 0.3165



0.6568, 0.5763, 0.2949

Previews

White Background



This preview shows how the Yxy color 49.3685, 0.3080, 0.2672 looks on a white background.

Color Contrast Check

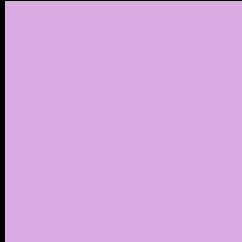
Large Text (above 18pt) WCAG AA × Fail

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 49.3685, 0.3080, 0.2672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

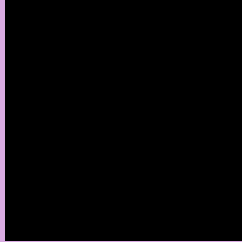
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.3685, 0.3080, 0.2672

Background



This preview shows how black text looks on a background with the Yxy color 49.3685, 0.3080, 0.2672.



This preview shows how white text looks on a background with the Yxy color 49.3685, 0.3080, 0.2672.

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

49.3685, 0.3080, 0.2672

Protanopia

49.7527, 0.2685, 0.2675

Deuteranopia

49.8136, 0.2856, 0.2796



Tritanopia

49.2029, 0.3319, 0.3124

Trichromacy



Original Color

49.3685, 0.3080, 0.2672

Protanomaly

49.4159, 0.2822, 0.2676

Deuteranomaly

49.6822, 0.2933, 0.2749

Tritanomaly

49.3157, 0.3230, 0.2952

Monochromacy



Original Color

49.3685, 0.3080, 0.2672

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

50.9200, 0.3105, 0.3049

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3685, 0.3080, 0.2672 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(217, 171, 226)` looks like.

```
.text, #text, p{  
    color:rgb(217, 171, 226)  
}
```

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(217, 171, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 171, 226) }
```

Border

The CSS property to change the border of an element to Yxy 49.3685, 0.3080, 0.2672 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(217, 171, 226) }
```

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

```
.border{ border-color:rgb(217, 171, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 171, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 171, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 171, 226);  
box-shadow:4px 4px 4px 4px rgb(217, 171,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3685, 0.3080, 0.2672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 171, 226) }
```

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

```
.background{ background-color: rgb(217,  
171, 226) }
```

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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