

Converting Colors

$Y_{xy}(48.0959, 0.2979, 0.2565)$

Have a look what the booklet for
Yxy(48.0959, 0.2979, 0.2565)
contains.

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Color

Yxy(48.1080, 0.2977, 0.2568)

Conversions

Conversions Part 1

Format	Color
Hex	D3A9E9
RGB	211, 169, 233
RGB Percent	83%, 66%, 91%
CMY	0.1724, 0.3373, 0.0862
CMYK	0.09, 0.27, 0.00, 0.09
HSL	279°, 59%, 79%
HSV	279°, 27%, 91%
XYZ	55.7701, 48.1080, 83.4584
YIQ	188.8540, 4.4880, 28.8080

Conversions

Conversions Part 2

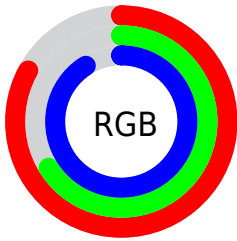
Format	Color
R _Y B	211, 169, 233
Decimal	13871593
CIE Lab	74.89, 26.81, -26.32
CIE LCh	75, 37.573, 315.528
Yxy	48.1080, 0.2977, 0.2568
Android (android.graphics.Color)	4292061673 (0xFFD3A9E9)
YUV	188.8540, 21.7640, 19.4220
Hunter-Lab	69.3599, 22.1462, -22.7896

Details

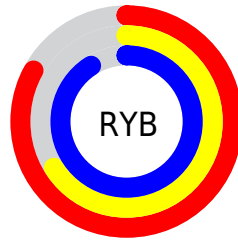
The Yxy color $48.1080, 0.2977, 0.2568$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $72.2326, 0.3238, 0.4048$, and the grayscale version is $50.6755, 0.3127, 0.3290$.

A 20% lighter version of the original color is $82.3304, 0.3141, 0.2999$, and $22.7330, 0.2932, 0.2389$ is the 20% darker color. If you saturate the color by 10%, you get $39.0463, 0.2905, 0.2288$, and if you desaturate by 10%, it is $58.7776, 0.3040, 0.2843$.

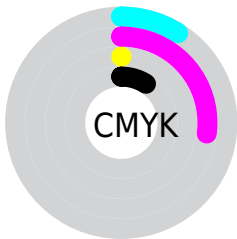
Distribution



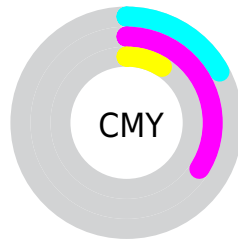
- Red (83%)
- Green (66%)
- Blue (91%)



- Red (83%)
- Yellow (66%)
- Blue (91%)



- Cyan (9%)
- Magenta (27%)
- Yellow (0%)
- Black (9%)





- Cyan (17%)
- Magenta (34%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.1080, 0.2977, 0.2568 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 48.1080, 0.2977, 0.2568 by changing the saturation by 10% instead.


 48.1080, 0.2977,
0.2568


 48.1080, 0.2977,
0.2568


379.2201, 0.3058,
0.2907

 33.9124, 0.2956,
0.2490


 87.3652, 0.3007,
0.2686

 22.8263, 0.2928,
0.2394


 113.1956, 0.3018,
0.2732

 14.4653, 0.2890,
0.2271


143.6730, 0.3028,
0.2771

 8.4450, 0.2837,
0.2112

179.1819, 0.3035,
0.2805

 4.3810, 0.2756,
0.1896

220.1067, 0.3042,
0.2835

 1.8889, 0.2624,
0.1592

266.8317, 0.3048,

 0.5417, 0.2402,

0.2862

0.1072

319.7414, 0.3053,
0.2886

0.0000, 0.0858,
0.0000

0.0000, 0.0000,
0.0000

48.1080, 0.2977,
0.2568

48.1080, 0.2977,
0.2568

39.0463, 0.2905,
0.2288

58.7776, 0.3040,
0.2843

31.5036, 0.2825,
0.2012

71.1259, 0.3093,
0.3105

25.3913, 0.2737,
0.1751

85.2267, 0.3138,
0.3350

20.6091, 0.2644,
0.1519

96.4680, 0.3180,
0.3507

■ 17.0432, 0.2550,
0.1327

■ 97.9235, 0.3230,
0.3504

■ 14.5600, 0.2457,
0.1182

■ 98.6649, 0.3256,
0.3502

■ 12.9819, 0.2370,
0.1087

■ 12.6569, 0.2348,
0.1067

Harmonies

Analogous

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



48.1080, 0.2528, 0.2465



48.1080, 0.2977, 0.2568



48.1080, 0.3507, 0.2827

Triad

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



48.1080, 0.2977, 0.2568



48.1080, 0.4060, 0.3979



48.1080, 0.2351, 0.3308

Complementary

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



48.1080, 0.2977, 0.2568



72.2326, 0.3238, 0.4048

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.



48.1080, 0.2714, 0.3825



48.1080, 0.2977, 0.2568



48.1080, 0.3703, 0.4212

Square

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



48.1080, 0.2977, 0.2568



48.1080, 0.4162, 0.3603



48.1080, 0.3208, 0.4174



48.1080, 0.2192, 0.2841

Rectangle

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



48.1080, 0.2977, 0.2568



48.1080, 0.3827, 0.3063



48.1080, 0.3208, 0.4174



48.1080, 0.2451, 0.3485

Sweetspot

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



48.1100, 0.2977, 0.2568



86.3632, 0.3090, 0.3091



51.7557, 0.2677, 0.2782



17.9698, 0.3083, 0.3052



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.



48.1100, 0.2977, 0.2568



52.4740, 0.2937, 0.2409



51.0503, 0.3237, 0.2702



15.0398, 0.3083, 0.3054



7.2510, 0.2361, 0.1074



0.6222, 0.2480, 0.1140

Inverse Universe

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



49.4606, 0.3521, 0.3044



54.4877, 0.3632, 0.2991



69.9663, 0.3034, 0.3960



15.1394, 0.3239, 0.3209



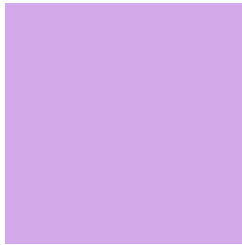
10.1796, 0.5599, 0.2858



0.8168, 0.5212, 0.2645

Previews

White Background



This preview shows how the Yxy color 48.1080, 0.2977, 0.2568 looks on a white background.

Color Contrast Check

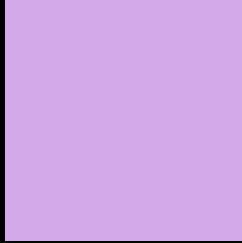
Large Text (above 18pt) WCAG AA × Fail

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 48.1080, 0.2977, 0.2568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

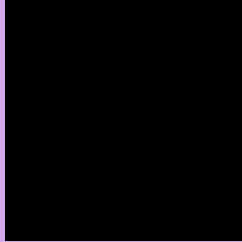
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.1080, 0.2977, 0.2568

Background



This preview shows how black text looks on a background with the Yxy color 48.1080, 0.2977, 0.2568.



This preview shows how white text looks on a background with the Yxy color 48.1080, 0.2977, 0.2568.

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

48.1080, 0.2977, 0.2568

Protanopia

48.2518, 0.2598, 0.2555

Deuteranopia

48.4010, 0.2748, 0.2685



Tritanopia

48.1850, 0.3257, 0.3120

Trichromacy



Original Color

48.1080, 0.2977, 0.2568

Protanomaly

47.8666, 0.2729, 0.2558

Deuteranomaly

48.3468, 0.2828, 0.2641

Tritanomaly

47.9937, 0.3154, 0.2910

Monochromacy



Original Color

48.1080, 0.2977, 0.2568

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

49.7340, 0.3074, 0.3011

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1080, 0.2977, 0.2568 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(211, 169, 233)` looks like.

```
.text, #text, p{  
    color:rgb(211, 169, 233)  
}
```

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(211, 169, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 169, 233) }
```

Border

The CSS property to change the border of an element to Yxy 48.1080, 0.2977, 0.2568 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(211, 169, 233) }
```

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

```
.border{ border-color:rgb(211, 169, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 169, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 169, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 169, 233);  
box-shadow:4px 4px 4px 4px rgb(211, 169,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1080, 0.2977, 0.2568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 169, 233) }
```

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

```
.background{ background-color: rgb(211,  
169, 233) }
```

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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