

Converting Colors

$Yxy(47.6862, 0.2832, 0.2438)$

Have a look what the booklet for
Yxy(47.6862, 0.2832, 0.2438)
contains.

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Color

Yxy(47.8059, 0.2834, 0.2438)

Conversions

Conversions Part 1

Format	Color
Hex	CCA9F5
RGB	204, 169, 245
RGB Percent	80%, 66%, 96%
CMY	0.2001, 0.3372, 0.0391
CMYK	0.17, 0.31, 0.00, 0.04
HSL	268°, 79%, 81%
HSV	268°, 31%, 96%
XYZ	55.5709, 47.8059, 92.7097
YIQ	188.1290, -3.5360, 31.0560

Conversions

Conversions Part 2

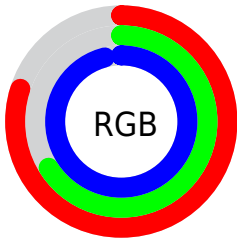
Format	Color
RYB	204, 169, 245
Decimal	13412853
CIELab	74.70, 27.13, -33.18
CIELCh	75, 42.862, 309.277
Yxy	47.8059, 0.2834, 0.2438
Android (android.graphics.Color)	4291602933 (0xFFCCA9F5)
YUV	188.1290, 28.0374, 13.9189
Hunter-Lab	69.1418, 22.4666, -31.1005

Details

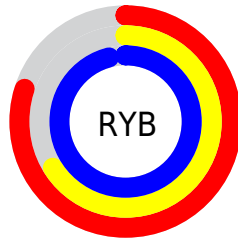
The Yxy color $47.8059, 0.2834, 0.2438$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $81.8991, 0.3352, 0.4133$, and the grayscale version is $50.2064, 0.3127, 0.3290$.

A 20% lighter version of the original color is $81.7913, 0.3141, 0.2989$, and $22.7430, 0.2754, 0.2250$ is the 20% darker color. If you saturate the color by 10%, you get $37.7381, 0.2712, 0.2134$, and if you desaturate by 10%, it is $59.7447, 0.2943, 0.2733$.

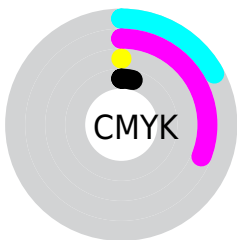
Distribution



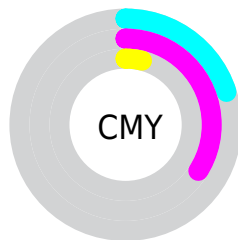
- Red (80%)
- Green (66%)
- Blue (96%)



- Red (80%)
- Yellow (66%)
- Blue (96%)



- Cyan (17%)
- Magenta (31%)
- Yellow (0%)
- Black (4%)





- Cyan (20%)
- Magenta (34%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8059, 0.2834, 0.2438 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 47.8059, 0.2834, 0.2438 by changing the saturation by 10% instead.


 47.8059, 0.2834,
0.2438


 47.8059, 0.2834,
0.2438


378.0222, 0.2985,
0.2834

 33.6732, 0.2796,
0.2348


 86.9153, 0.2889,
0.2575

 22.6427, 0.2747,
0.2237


 112.6609, 0.2910,
0.2629

 14.3299, 0.2682,
0.2099


143.0461, 0.2928,
0.2675

 8.3505, 0.2592,
0.1920

178.4555, 0.2943,
0.2715

 4.3200, 0.2463,
0.1683

219.2734, 0.2955,
0.2750

 1.8541, 0.2263,
0.1360

265.8843, 0.2967,

 0.5206, 0.1944,

0.2781

0.0844

318.6724, 0.2977,
0.2809

0.0000, 0.0531,
0.0000

0.0000, 0.0000,
0.0000

47.8059, 0.2834,
0.2438

47.8059, 0.2834,
0.2438

37.7381, 0.2712,
0.2134

59.7447, 0.2943,
0.2733

29.4360, 0.2578,
0.1831

73.6407, 0.3038,
0.3010

22.7923, 0.2437,
0.1543

89.5815, 0.3120,
0.3265

17.6853, 0.2294,
0.1287

99.3745, 0.3185,
0.3386

■ 13.9758, 0.2156,
0.1079

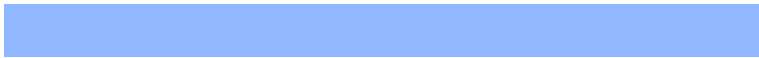
■ 11.4977, 0.2030,
0.0927

■ 10.0871, 0.1931,
0.0837

Harmonies

Analogous

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



47.8059, 0.2366, 0.2361



47.8059, 0.2834, 0.2438



47.8059, 0.3432, 0.2695

Triad

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



47.8059, 0.2834, 0.2438



47.8059, 0.4239, 0.3979



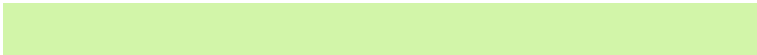
47.8059, 0.2314, 0.3432

Complementary

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



47.8059, 0.2834, 0.2438



81.8991, 0.3352, 0.4133

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.



47.8059, 0.2761, 0.4018



47.8059, 0.2834, 0.2438



47.8059, 0.3877, 0.4304

Square

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



47.8059, 0.2834, 0.2438



47.8059, 0.4291, 0.3536



47.8059, 0.3333, 0.4351



47.8059, 0.2088, 0.2867

Rectangle

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



47.8059, 0.2834, 0.2438



47.8059, 0.3821, 0.2942



47.8059, 0.3333, 0.4351



47.8059, 0.2441, 0.3638

Sweetspot

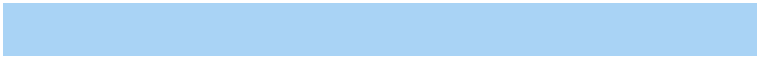
The Sweet Spot groups the original color and five complimentary colors.



47.8079, 0.2834, 0.2438



83.9464, 0.3055, 0.3063



61.5298, 0.2634, 0.2889



17.4498, 0.3043, 0.3024



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.



47.8079, 0.2834, 0.2438



45.4328, 0.2761, 0.2254



53.7145, 0.3132, 0.2510



16.3002, 0.3051, 0.3050



5.5128, 0.1947, 0.0846



0.5449, 0.2085, 0.0922

Inverse Universe

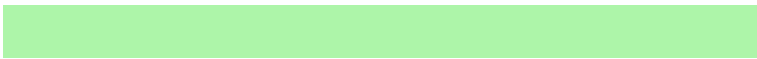
The Inverse Universe completely reimagines the original color for something new.



52.4527, 0.3456, 0.2855



51.3606, 0.3543, 0.2768



77.0515, 0.3108, 0.4200



16.6322, 0.3209, 0.3163



11.3880, 0.4791, 0.2413



1.0216, 0.4538, 0.2274

Previews

White Background



This preview shows how the Yxy color 47.8059, 0.2834, 0.2438 looks on a white background.

Color Contrast Check

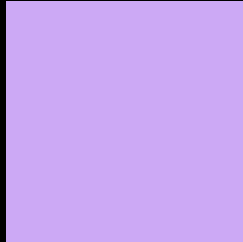
Large Text (above 18pt) WCAG AA × Fail

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 47.8059, 0.2834, 0.2438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

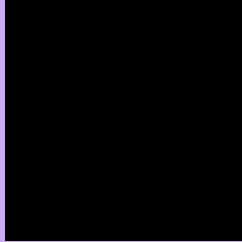
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.8059, 0.2834, 0.2438

Background



This preview shows how black text looks on a background with the Yxy color 47.8059, 0.2834, 0.2438.



This preview shows how white text looks on a background with the Yxy color 47.8059, 0.2834, 0.2438.

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

47.8059, 0.2834, 0.2438

Protanopia

47.9491, 0.2490, 0.2413

Deuteranopia

48.0649, 0.2610, 0.2546



Tritanopia

47.6926, 0.3152, 0.3116

Trichromacy



Original Color

47.8059, 0.2834, 0.2438

Protanomaly

47.7564, 0.2605, 0.2427

Deuteranomaly

47.9210, 0.2683, 0.2504

Tritanomaly

47.4192, 0.3030, 0.2845

Monochromacy



Original Color

47.8059, 0.2834, 0.2438

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

49.1205, 0.3019, 0.2949

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8059, 0.2834, 0.2438 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(204, 169, 245)` looks like.

```
.text, #text, p{  
    color:rgb(204, 169, 245)  
}
```

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(204, 169, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 169, 245) }
```

Border

The CSS property to change the border of an element to Yxy 47.8059, 0.2834, 0.2438 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(204, 169, 245) }
```

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

```
.border{ border-color:rgb(204, 169, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 169, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 169, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 169, 245);  
box-shadow:4px 4px 4px 4px rgb(204, 169,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8059, 0.2834, 0.2438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 169, 245) }
```

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

```
.background{ background-color: rgb(204,  
169, 245) }
```

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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