

Converting Colors

$Y_{xy}(48.5503, 0.2748, 0.2372)$

Have a look what the booklet for
Yxy(48.5503, 0.2748, 0.2372)
contains.

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Color

Yxy(48.5609, 0.2745, 0.2369)

Conversions

Conversions Part 1

Format	Color
Hex	C8ABFE
RGB	200, 171, 254
RGB Percent	78%, 67%, 100%
CMY	0.2157, 0.3294, 0.0040
CMYK	0.21, 0.33, 0.00, 0.00
HSL	261°, 98%, 83%
HSV	261°, 33%, 100%
XYZ	56.2683, 48.5609, 100.1556
YIQ	189.1330, -9.3590, 31.9610

Conversions

Conversions Part 2

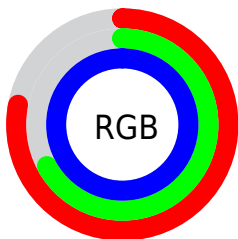
Format	Color
R _Y B	200, 171, 254
Decimal	13151230
CIE Lab	75.18, 26.83, -37.30
CIE LCh	75, 45.950, 305.723
Yxy	48.5609, 0.2745, 0.2369
Android (android.graphics.Color)	4291341310 (0xFFC8ABFE)
YUV	189.1330, 31.9794, 9.5304
Hunter-Lab	69.6857, 22.1816, -36.4345

Details

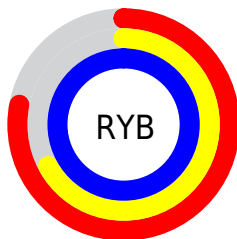
The Yxy color **48.5609, 0.2745, 0.2369** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **89.8171, 0.3424, 0.4165**, and the grayscale version is **50.7876, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4182, 0.3140, 0.3019**, and **23.2446, 0.2640, 0.2164** is the 20% darker color. If you saturate the color by 10%, you get **37.7181, 0.2595, 0.2050**, and if you desaturate by 10%, it is **61.4968, 0.2880, 0.2676**.

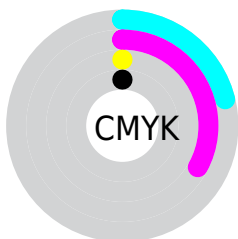
Distribution



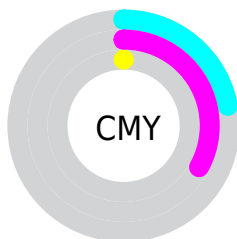
- Red (78%)
- Green (67%)
- Blue (100%)



- Red (78%)
- Yellow (67%)
- Blue (100%)



- Cyan (21%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)




- Cyan (22%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5609, 0.2745, 0.2369 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 48.5609, 0.2745, 0.2369 by changing the saturation by 10% instead.


 48.5609, 0.2745,
0.2369

 48.5609, 0.2745,
0.2369


381.0111, 0.2939,
0.2794

 34.2713, 0.2697,
0.2274


 88.0389, 0.2815,
0.2515

 23.1021, 0.2636,
0.2157


113.9962, 0.2842,
0.2573

 14.6689, 0.2557,
0.2011


144.6114, 0.2864,
0.2622

 8.5873, 0.2449,
0.1826

180.2690, 0.2883,
0.2665

 4.4730, 0.2296,
0.1584

221.3533, 0.2900,
0.2703

 1.9415, 0.2068,
0.1260

268.2489, 0.2915,

 0.5732, 0.1716,

0.2737

0.0785

321.3400, 0.2927,
0.2767

0.0000, 0.0565,
0.0000

0.0000, 0.0000,
0.0000

48.5609, 0.2745,
0.2369

48.5609, 0.2745,
0.2369

37.7181, 0.2595,
0.2050

61.4968, 0.2880,
0.2676

28.8489, 0.2434,
0.1732

76.6248, 0.2999,
0.2962

21.8303, 0.2269,
0.1431

94.0447, 0.3102,
0.3224

16.5227, 0.2106,
0.1166

99.9345, 0.3133,
0.3300

■ 12.7656, 0.1957,
0.0954

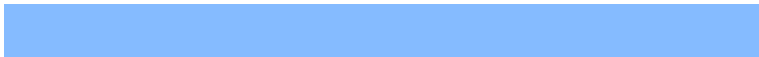
■ 10.3660, 0.1828,
0.0808

■ 9.2656, 0.1750,
0.0738

Harmonies

Analogous

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



48.5609, 0.2275, 0.2312



48.5609, 0.2745, 0.2369



48.5609, 0.3373, 0.2619

Triad

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



48.5609, 0.2745, 0.2369



48.5609, 0.4335, 0.3962



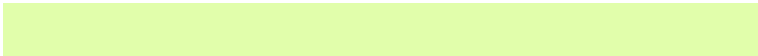
48.5609, 0.2307, 0.3518

Complementary

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



48.5609, 0.2745, 0.2369



89.8171, 0.3424, 0.4165

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.



48.5609, 0.2802, 0.4133



48.5609, 0.2745, 0.2369



48.5609, 0.3979, 0.4337

Square

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



48.5609, 0.2745, 0.2369



48.5609, 0.4349, 0.3486



48.5609, 0.3414, 0.4441



48.5609, 0.2042, 0.2897

Rectangle

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



48.5609, 0.2745, 0.2369



48.5609, 0.3797, 0.2870



48.5609, 0.3414, 0.4441



48.5609, 0.2450, 0.3739

Sweetspot

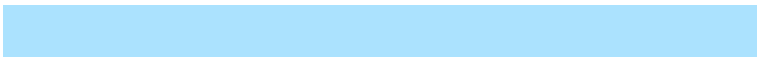
The Sweet Spot groups the original color and five complimentary colors.



48.5629, 0.2745, 0.2369



81.7839, 0.3028, 0.3035



70.3817, 0.2621, 0.2977



16.9977, 0.3013, 0.2997



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.



48.5629, 0.2745, 0.2369



41.8319, 0.2652, 0.2168



54.8353, 0.3055, 0.2448



17.6864, 0.3034, 0.3048



4.9597, 0.1765, 0.0746



0.5410, 0.1888, 0.0814

Inverse Universe

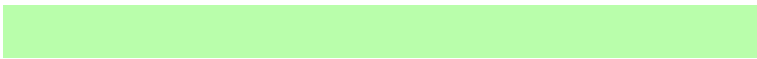
The Inverse Universe completely reimagines the original color for something new.



55.6317, 0.3400, 0.2741



50.0668, 0.3471, 0.2633



84.1054, 0.3164, 0.4241



18.1862, 0.3192, 0.3137



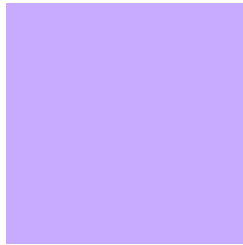
12.5748, 0.4340, 0.2164



1.2451, 0.4177, 0.2075

Previews

White Background



This preview shows how the Yxy color 48.5609, 0.2745, 0.2369 looks on a white background.

Color Contrast Check

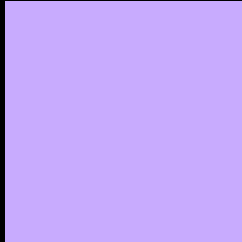
Large Text (above 18pt) WCAG AA × Fail

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 48.5609, 0.2745, 0.2369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

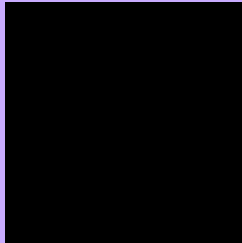
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.5609, 0.2745, 0.2369

Background



This preview shows how black text looks on a background with the Yxy color 48.5609, 0.2745, 0.2369.



This preview shows how white text looks on a background with the Yxy color 48.5609, 0.2745, 0.2369.

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

48.5609, 0.2745, 0.2369

Protanopia

48.8735, 0.2500, 0.2439

Deuteranopia

49.0022, 0.2535, 0.2473



Tritanopia

48.4343, 0.3077, 0.3102

Trichromacy



Original Color

48.5609, 0.2745, 0.2369

Protanomaly

48.6903, 0.2578, 0.2410

Deuteranomaly

48.7970, 0.2603, 0.2433

Tritanomaly

48.3721, 0.2952, 0.2809

Monochromacy



Original Color

48.5609, 0.2745, 0.2369

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

49.5974, 0.2981, 0.2914

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5609, 0.2745, 0.2369 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, 171, 254)` looks like.

```
.text, #text, p{  
    color:rgb(200, 171, 254)  
}
```

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, 171, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 171, 254) }
```

Border

The CSS property to change the border of an element to Yxy 48.5609, 0.2745, 0.2369 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, 171, 254) }
```

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

```
.border{ border-color:rgb(200, 171, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 171, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(200, 171, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(200, 171, 254); box-shadow:4px 4px 4px 4px rgb(200, 171, 254) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5609, 0.2745, 0.2369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 171, 254) }
```

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

```
.background{ background-color: rgb(200,  
171, 254) }
```

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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