

Converting Colors

$Y_{xy}(48.9855, 0.2790, 0.2355)$

Have a look what the booklet for
Yxy(48.9855, 0.2790, 0.2355)
contains.

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Color

Yxy(48.8613, 0.2790, 0.2351)

Conversions

Conversions Part 1

Format	Color
Hex	CFA9FF
RGB	207, 169, 255
RGB Percent	81%, 66%, 100%
CMY	0.1879, 0.3373, 0.0000
CMYK	0.19, 0.34, 0.00, 0.00
HSL	267°, 100%, 83%
HSV	267°, 34%, 100%
XYZ	57.9851, 48.8613, 100.9856
YIQ	190.1660, -4.9580, 34.8020

Conversions

Conversions Part 2

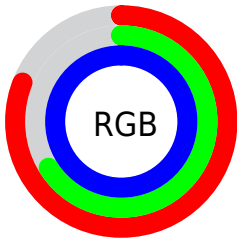
Format	Color
R _Y B	207, 169, 255
Decimal	13609471
CIE Lab	75.36, 30.25, -37.52
CIE LCh	75, 48.192, 308.877
Yxy	48.8613, 0.2790, 0.2351
Android (android.graphics.Color)	4291799551 (0xFFCFA9FF)
YUV	190.1660, 31.9632, 14.7634
Hunter-Lab	69.9009, 25.7453, -36.7255

Details

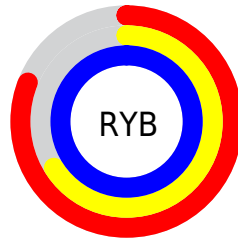
The Yxy color **48.8613, 0.2790, 0.2351** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **89.1205, 0.3380, 0.4212**, and the grayscale version is **51.4118, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3304, 0.3141, 0.2999**, and **23.1473, 0.2686, 0.2129** is the 20% darker color. If you saturate the color by 10%, you get **38.3281, 0.2660, 0.2043**, and if you desaturate by 10%, it is **61.4320, 0.2907, 0.2651**.

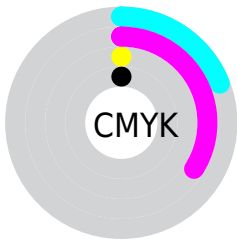
Distribution



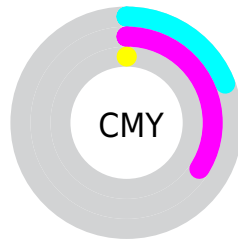
- Red (81%)
- Green (66%)
- Blue (100%)



- Red (81%)
- Yellow (66%)
- Blue (100%)



- Cyan (19%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)





- Cyan (19%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.8613, 0.2790, 0.2351 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 48.8613, 0.2790, 0.2351 by changing the saturation by 10% instead.


 48.8613, 0.2790,
0.2351


 48.8613, 0.2790,
0.2351


382.1960, 0.2963,
0.2782

 34.5095, 0.2747,
0.2255


 88.4854, 0.2853,
0.2499

 23.2853, 0.2692,
0.2137


 114.5265, 0.2877,
0.2557

 14.8043, 0.2619,
0.1991


145.2328, 0.2897,
0.2607

 8.6821, 0.2520,
0.1806

180.9887, 0.2914,
0.2651

 4.5344, 0.2380,
0.1565

222.1785, 0.2929,
0.2690

 1.9768, 0.2168,
0.1245

269.1868, 0.2942,

 0.5939, 0.1837,

0.2724

0.0783

322.3978, 0.2953,
0.2754

0.0000, 0.0900,
0.0000

0.0000, 0.0000,
0.0000

48.8613, 0.2790,
0.2351

48.8613, 0.2790,
0.2351

38.3281, 0.2660,
0.2043

61.4320, 0.2907,
0.2651

29.7144, 0.2519,
0.1739

76.1391, 0.3009,
0.2935

22.8978, 0.2373,
0.1456

93.0808, 0.3098,
0.3198

17.7388, 0.2227,
0.1209

100.0000, 0.3127,
0.3290

■ 14.0765, 0.2089,
0.1013

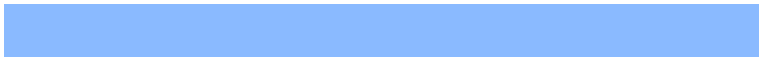
■ 11.7152, 0.1966,
0.0878

■ 10.7261, 0.1898,
0.0819

Harmonies

Analogous

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



48.8613, 0.2280, 0.2268



48.8613, 0.2790, 0.2351



48.8613, 0.3455, 0.2628

Triad

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



48.8613, 0.2790, 0.2351



48.8613, 0.4364, 0.4034



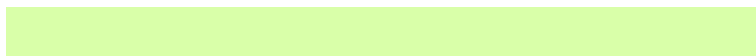
48.8613, 0.2230, 0.3453

Complementary

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



48.8613, 0.2790, 0.2351



89.1205, 0.3380, 0.4212

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.



48.8613, 0.2722, 0.4119



48.8613, 0.2790, 0.2351



48.8613, 0.3959, 0.4410

Square

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



48.8613, 0.2790, 0.2351



48.8613, 0.4423, 0.3542



48.8613, 0.3355, 0.4486



48.8613, 0.1984, 0.2818

Rectangle

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



48.8613, 0.2790, 0.2351



48.8613, 0.3892, 0.2897



48.8613, 0.3355, 0.4486



48.8613, 0.2369, 0.3687

Sweetspot

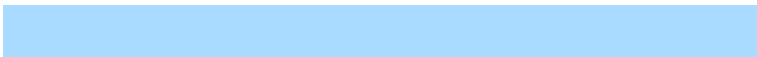
The Sweet Spot groups the original color and five complimentary colors.



48.8630, 0.2790, 0.2351



82.2001, 0.3044, 0.3036



65.6517, 0.2592, 0.2864



17.0981, 0.3031, 0.2999



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.



48.8630, 0.2790, 0.2351



42.0317, 0.2710, 0.2158



55.7756, 0.3121, 0.2438



17.7714, 0.3048, 0.3049



5.6898, 0.1915, 0.0828



0.6175, 0.2040, 0.0898

Inverse Universe

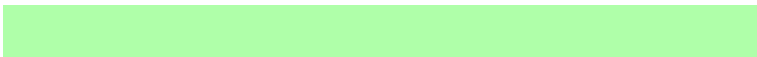
The Inverse Universe completely reimagines the original color for something new.



54.6318, 0.3482, 0.2800



48.6870, 0.3573, 0.2708



83.4642, 0.3113, 0.4293



18.1566, 0.3206, 0.3158



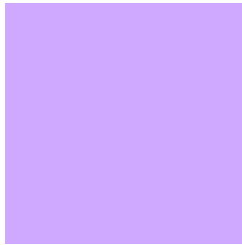
12.1609, 0.4723, 0.2375



1.2061, 0.4502, 0.2254

Previews

White Background



This preview shows how the Yxy color 48.8613, 0.2790, 0.2351 looks on a white background.

Color Contrast Check

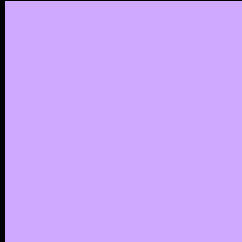
Large Text (above 18pt) WCAG AA × Fail

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 48.8613, 0.2790, 0.2351 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 48.8613, 0.2790, 0.2351

Background



This preview shows how black text looks on a background with the Yxy color 48.8613, 0.2790, 0.2351.



This preview shows how white text looks on a background with the Yxy color 48.8613, 0.2790, 0.2351.

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

48.8613, 0.2790, 0.2351

Protanopia

48.9795, 0.2506, 0.2441

Deuteranopia

49.0022, 0.2535, 0.2473



Tritanopia

48.8582, 0.3152, 0.3118

Trichromacy



Original Color

48.8613, 0.2790, 0.2351

Protanomaly

48.7641, 0.2603, 0.2405

Deuteranomaly

48.7564, 0.2622, 0.2425

Tritanomaly

48.8715, 0.3016, 0.2816

Monochromacy



Original Color

48.8613, 0.2790, 0.2351

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

50.0467, 0.2998, 0.2906

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8613, 0.2790, 0.2351 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(207, 169, 255)` looks like.

```
.text, #text, p{  
    color:rgb(207, 169, 255)  
}
```

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(207, 169, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 169, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.8613, 0.2790, 0.2351 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(207, 169, 255) }
```

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

```
.border{ border-color:rgb(207, 169, 255) }
```

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

Here you see how a box with a 4 pixel rgb(207, 169, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 169, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 169, 255);  
box-shadow:4px 4px 4px 4px rgb(207, 169,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8613, 0.2790, 0.2351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 169, 255) }
```

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

```
.background{ background-color: rgb(207,  
169, 255) }
```

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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