

Converting Colors

$Y_{xy}(44.8225, 0.2684, 0.2309)$

Have a look what the booklet for
Yxy(44.8225, 0.2684, 0.2309)
contains.

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Color

Yxy(44.8225, 0.2684, 0.2309)

Conversions

Conversions Part 1

Format	Color
Hex	BEA5FB
RGB	190, 165, 251
RGB Percent	75%, 65%, 98%
CMY	0.2550, 0.3529, 0.0156
CMYK	0.24, 0.34, 0.00, 0.02
HSL	257°, 92%, 82%
HSV	257°, 34%, 98%
XYZ	52.1020, 44.8225, 97.1963
YIQ	182.2790, -12.7060, 32.0460

Conversions

Conversions Part 2

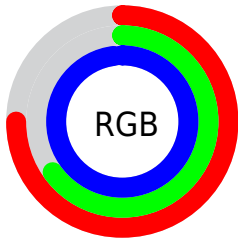
Format	Color
RYB	190, 165, 251
Decimal	12494331
CIELab	72.77, 26.56, -39.51
CIELCh	73, 47.607, 303.905
Yxy	44.8225, 0.2684, 0.2309
Android (android.graphics.Color)	4290684411 (0xFFBEA5FB)
YUV	182.2790, 33.8795, 6.7713
Hunter-Lab	66.9496, 21.7518, -39.2115

Details

The Yxy color $44.8225, 0.2684, 0.2309$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $87.9083, 0.3472, 0.4200$, and the grayscale version is $46.7562, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.3629, 0.3095, 0.2945$, and $20.8562, 0.2558, 0.2081$ is the 20% darker color. If you saturate the color by 10%, you get $34.4842, 0.2520, 0.1982$, and if you desaturate by 10%, it is $57.2219, 0.2834, 0.2624$.

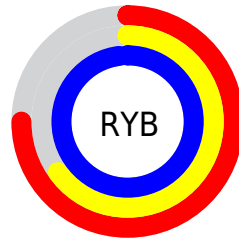
Distribution



Red (75%)

Green (65%)

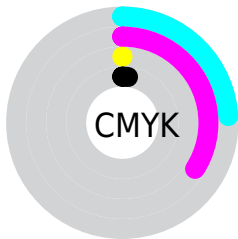
Blue (98%)



Red (75%)

Yellow (65%)

Blue (98%)

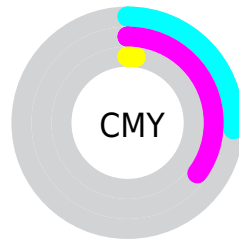


Cyan (24%)

Magenta (34%)

Yellow (0%)

Black (2%)



Cyan (26%)


Magenta (35%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.8225, 0.2684, 0.2309 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 44.8225, 0.2684, 0.2309 by changing the saturation by 10% instead.


 44.8225, 0.2684,
0.2309


 44.8225, 0.2684,
0.2309

366.0542, 0.2910,
0.2766

 31.3176, 0.2628,
0.2206


 82.4540, 0.2766,
0.2467

 20.8408, 0.2556,
0.2079


 107.3494, 0.2797,
0.2529

 13.0077, 0.2462,
0.1921


136.8105, 0.2823,
0.2582

 7.4339, 0.2335,
0.1719

171.2216, 0.2846,
0.2628

 3.7349, 0.2155,
0.1457

210.9671, 0.2865,
0.2669

 1.5264, 0.1887,
0.1109

256.4314, 0.2882,

 0.3072, 0.1497,

0.2705

0.0487

307.9990, 0.2897,
0.2737

0.0000, 0.0000,
0.0000

44.8225, 0.2684,
0.2309

44.8225, 0.2684,
0.2309

34.4842, 0.2520,
0.1982

57.2219, 0.2834,
0.2624

26.0872, 0.2346,
0.1658

71.7825, 0.2967,
0.2917

19.5072, 0.2170,
0.1353

88.6043, 0.3083,
0.3184

14.6030, 0.2002,
0.1089

99.7469, 0.3150,
0.3328

11.2113, 0.1852,
0.0883

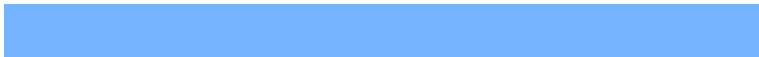
■ 9.1343, 0.1731,
0.0747

■ 8.3783, 0.1674,
0.0696

Harmonies

Analogous

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



44.8225, 0.2203, 0.2260



44.8225, 0.2684, 0.2309



44.8225, 0.3344, 0.2560

Triad

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



44.8225, 0.2684, 0.2309



44.8225, 0.4421, 0.3964



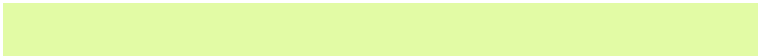
44.8225, 0.2282, 0.3574

Complementary

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



44.8225, 0.2684, 0.2309



87.9083, 0.3472, 0.4200

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.



44.8225, 0.2815, 0.4226



44.8225, 0.2684, 0.2309



44.8225, 0.4057, 0.4379

Square

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



44.8225, 0.2684, 0.2309



44.8225, 0.4415, 0.3459



44.8225, 0.3465, 0.4524



44.8225, 0.1990, 0.2903

Rectangle

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



44.8225, 0.2684, 0.2309



44.8225, 0.3800, 0.2818



44.8225, 0.3465, 0.4524



44.8225, 0.2437, 0.3811

Sweetspot

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



44.8243, 0.2684, 0.2309



81.5234, 0.3018, 0.3034



69.7178, 0.2604, 0.3010



16.9350, 0.3002, 0.2996



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.



44.8243, 0.2684, 0.2309



38.9761, 0.2574, 0.2089



51.1014, 0.3016, 0.2397



16.8870, 0.3024, 0.3048



4.4670, 0.1689, 0.0704



0.4654, 0.1811, 0.0771

Inverse Universe

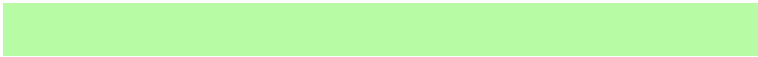
The Inverse Universe completely reimagines the original color for something new.



52.9220, 0.3373, 0.2665



48.6338, 0.3438, 0.2542



81.8766, 0.3192, 0.4286



17.4336, 0.3183, 0.3123



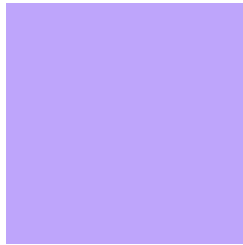
12.4996, 0.4111, 0.2038



1.1761, 0.3977, 0.1965

Previews

White Background



This preview shows how the Yxy color 44.8225, 0.2684, 0.2309 looks on a white background.

Color Contrast Check

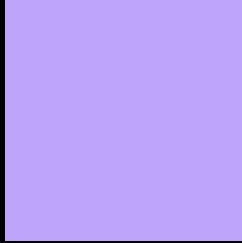
Large Text (above 18pt) WCAG AA × Fail

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 44.8225, 0.2684, 0.2309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

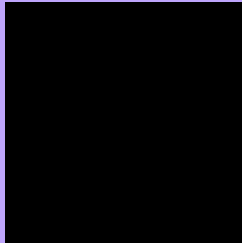
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.8225, 0.2684, 0.2309

Background



This preview shows how black text looks on a background with the Yxy color 44.8225, 0.2684, 0.2309.



This preview shows how white text looks on a background with the Yxy color 44.8225, 0.2684, 0.2309.

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

44.8225, 0.2684, 0.2309

Protanopia

45.0430, 0.2425, 0.2339

Deuteranopia

45.2524, 0.2471, 0.2413



Tritanopia

44.7896, 0.3033, 0.3107

Trichromacy



Original Color

44.8225, 0.2684, 0.2309

Protanomaly

44.7678, 0.2506, 0.2320

Deuteranomaly

45.1141, 0.2544, 0.2374

Tritanomaly

44.7585, 0.2898, 0.2791

Monochromacy



Original Color

44.8225, 0.2684, 0.2309

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

45.8699, 0.2960, 0.2902

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8225, 0.2684, 0.2309 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(190, 165, 251)` looks like.

```
.text, #text, p{  
    color:rgb(190, 165, 251)  
}
```

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(190, 165, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 165, 251) }
```

Border

The CSS property to change the border of an element to Yxy 44.8225, 0.2684, 0.2309 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(190, 165, 251) }
```

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

```
.border{ border-color:rgb(190, 165, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 165, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 165, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 165, 251);  
box-shadow:4px 4px 4px 4px rgb(190, 165,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8225, 0.2684, 0.2309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 165, 251) }
```

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

```
.background{ background-color: rgb(190,  
165, 251) }
```

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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