

Converting Colors

$Y_{xy}(44.7927, 0.2784, 0.2359)$

Have a look what the booklet for
Yxy(44.7927, 0.2784, 0.2359)
contains.

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Color

Yxy(44.7927, 0.2784, 0.2359)

Conversions

Conversions Part 1

Format	Color
Hex	C6A3F5
RGB	198, 163, 245
RGB Percent	78%, 64%, 96%
CMY	0.2235, 0.3607, 0.0393
CMYK	0.19, 0.33, 0.00, 0.04
HSL	266°, 80%, 80%
HSV	266°, 33%, 96%
XYZ	52.8626, 44.7927, 92.2247
YIQ	182.8130, -5.4620, 32.9220

Conversions

Conversions Part 2

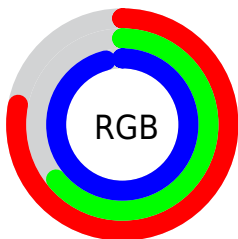
Format	Color
R _Y B	198, 163, 245
Decimal	13018101
CIE Lab	72.76, 28.62, -36.20
CIE LCh	73, 46.152, 308.329
Yxy	44.7927, 0.2784, 0.2359
Android (android.graphics.Color)	4291208181 (0xFFC6A3F5)
YUV	182.8130, 30.6582, 13.3190
Hunter-Lab	66.9273, 23.8655, -34.8515

Details

The Yxy color $44.7927, 0.2784, 0.2359$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $81.6344, 0.3386, 0.4199$, and the grayscale version is $47.0781, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.6228, 0.3144, 0.2930$, and $20.8394, 0.2685, 0.2145$ is the 20% darker color. If you saturate the color by 10%, you get $35.1004, 0.2651, 0.2050$, and if you desaturate by 10%, it is $56.3504, 0.2904, 0.2660$.

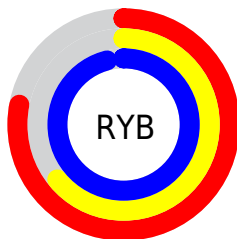
Distribution



Red (78%)

Green (64%)

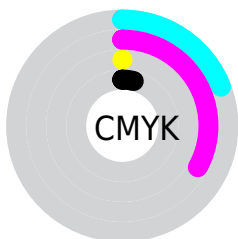
Blue (96%)



Red (78%)

Yellow (64%)

Blue (96%)

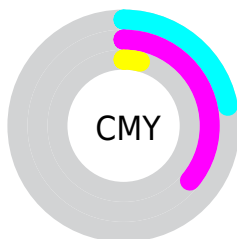


Cyan (19%)

Magenta (33%)

Yellow (0%)

Black (4%)



Cyan (22%)


Magenta (36%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.7927, 0.2784, 0.2359 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 44.7927, 0.2784, 0.2359 by changing the saturation by 10% instead.


 44.7927, 0.2784,
0.2359

 44.7927, 0.2784,
0.2359

365.9333, 0.2962,
0.2793

 31.2942, 0.2739,
0.2260


 82.4092, 0.2850,
0.2510

 20.8230, 0.2681,
0.2139


 107.2961, 0.2874,
0.2568

 12.9947, 0.2603,
0.1987


136.7478, 0.2895,
0.2619

 7.4249, 0.2497,
0.1791

171.1487, 0.2912,
0.2663

 3.7292, 0.2343,
0.1534

210.8834, 0.2927,
0.2702

 1.5233, 0.2107,
0.1189

256.3361, 0.2940,

 0.3050, 0.1754,

0.2736

0.0537

307.8913, 0.2952,
0.2766

0.0000, 0.0000,
0.0000

44.7927, 0.2784,
0.2359

44.7927, 0.2784,
0.2359

35.1004, 0.2651,
0.2050

56.3504, 0.2904,
0.2660

27.1656, 0.2507,
0.1744

69.8624, 0.3009,
0.2943

20.8775, 0.2358,
0.1457

85.4185, 0.3099,
0.3205

16.1098, 0.2209,
0.1206

99.2122, 0.3180,
0.3386

12.7169, 0.2069,
0.1007

99.3710, 0.3185,
0.3386

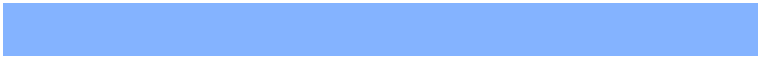
■ 10.5228, 0.1944,
0.0868

■ 9.5677, 0.1872,
0.0805

Harmonies

Analogous

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



44.7927, 0.2283, 0.2281



44.7927, 0.2784, 0.2359



44.7927, 0.3439, 0.2630

Triad

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



44.7927, 0.2784, 0.2359



44.7927, 0.4352, 0.4017



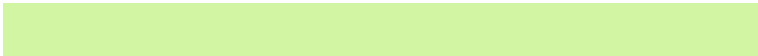
44.7927, 0.2248, 0.3464

Complementary

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



44.7927, 0.2784, 0.2359



81.6344, 0.3386, 0.4199

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.



44.7927, 0.2739, 0.4116



44.7927, 0.2784, 0.2359



44.7927, 0.3958, 0.4391

Square

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



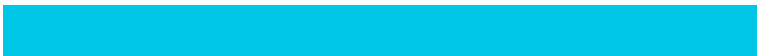
44.7927, 0.2784, 0.2359



44.7927, 0.4403, 0.3531



44.7927, 0.3365, 0.4470



44.7927, 0.2000, 0.2836

Rectangle

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



44.7927, 0.2784, 0.2359



44.7927, 0.3871, 0.2894



44.7927, 0.3365, 0.4470



44.7927, 0.2388, 0.3694

Sweetspot

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



44.7945, 0.2784, 0.2359



82.1283, 0.3041, 0.3036



60.8795, 0.2600, 0.2886



17.0808, 0.3028, 0.2998



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.



44.7945, 0.2784, 0.2359



41.8102, 0.2697, 0.2154



50.9915, 0.3110, 0.2444



16.2724, 0.3046, 0.3050



5.2333, 0.1889, 0.0814



0.5192, 0.2028, 0.0891

Inverse Universe

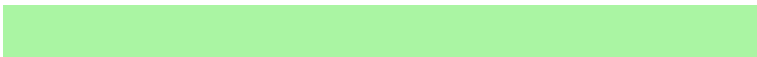
The Inverse Universe completely reimagines the original color for something new.



50.2590, 0.3465, 0.2792



48.7689, 0.3557, 0.2692



76.4625, 0.3122, 0.4278



16.6417, 0.3204, 0.3155



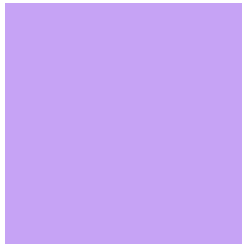
11.5131, 0.4652, 0.2336



1.0324, 0.4421, 0.2209

Previews

White Background



This preview shows how the Yxy color 44.7927, 0.2784, 0.2359 looks on a white background.

Color Contrast Check

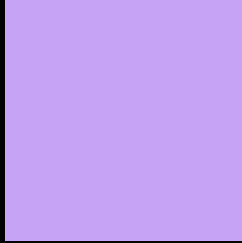
Large Text (above 18pt) WCAG AA × Fail

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 44.7927, 0.2784, 0.2359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

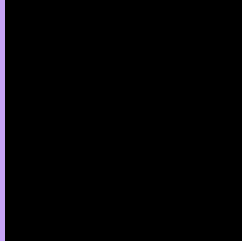
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.7927, 0.2784, 0.2359

Background



This preview shows how black text looks on a background with the Yxy color 44.7927, 0.2784, 0.2359.



This preview shows how white text looks on a background with the Yxy color 44.7927, 0.2784, 0.2359.

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

44.7927, 0.2784, 0.2359

Protanopia

45.1407, 0.2432, 0.2340

Deuteranopia

44.9351, 0.2541, 0.2479



Tritanopia

44.5943, 0.3136, 0.3111

Trichromacy



Original Color

44.7927, 0.2784, 0.2359

Protanomaly

44.6369, 0.2549, 0.2343

Deuteranomaly

44.5956, 0.2624, 0.2428

Tritanomaly

44.5594, 0.3003, 0.2810

Monochromacy



Original Color

44.7927, 0.2784, 0.2359

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.1983, 0.2992, 0.2916

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.7927, 0.2784, 0.2359 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(198, 163, 245)` looks like.

```
.text, #text, p{  
    color:rgb(198, 163, 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(198, 163, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 163, 245) }
```

Border

The CSS property to change the border of an element to Yxy 44.7927, 0.2784, 0.2359 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(198, 163, 245) }
```

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

```
.border{ border-color:rgb(198, 163, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 163, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 163, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 163, 245);  
box-shadow:4px 4px 4px 4px rgb(198, 163,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 44.7927, 0.2784, 0.2359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 163, 245) }
```

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

```
.background{ background-color: rgb(198,  
163, 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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