

Converting Colors

$Y_{xy}(47.7256, 0.2858, 0.2363)$

Have a look what the booklet for
Yxy(47.7256, 0.2858, 0.2363)
contains.

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Color

Yxy(47.8094, 0.2860, 0.2363)

Conversions

Conversions Part 1

Format	Color
Hex	D4A5FA
RGB	212, 165, 250
RGB Percent	83%, 65%, 98%
CMY	0.1686, 0.3529, 0.0195
CMYK	0.15, 0.34, 0.00, 0.02
HSL	273°, 90%, 81%
HSV	273°, 34%, 98%
XYZ	57.8650, 47.8094, 96.6507
YIQ	188.7430, 0.7270, 36.3990

Conversions

Conversions Part 2

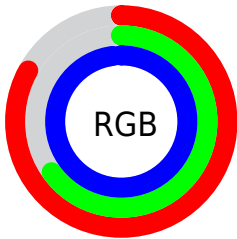
Format	Color
R _Y B	212, 165, 250
Decimal	13936122
CIE Lab	74.70, 32.80, -35.82
CIE LCh	75, 48.572, 312.478
Yxy	47.8094, 0.2860, 0.2363
Android (android.graphics.Color)	4292126202 (0xFFD4A5FA)
YUV	188.7430, 30.1997, 20.3964
Hunter-Lab	69.1443, 28.3790, -34.4751

Details

The Yxy color **47.8094, 0.2860, 0.2363** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **83.8134, 0.3319, 0.4238**, and the grayscale version is **50.5598, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6664, 0.3143, 0.2950**, and **22.5065, 0.2777, 0.2146** is the 20% darker color. If you saturate the color by 10%, you get **38.0510, 0.2756, 0.2069**, and if you desaturate by 10%, it is **59.4500, 0.2953, 0.2653**.

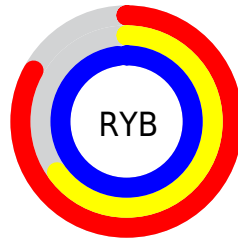
Distribution



Red (83%)

Green (65%)

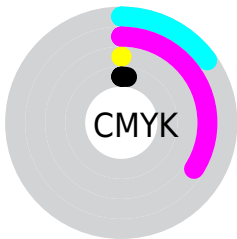
Blue (98%)



Red (83%)

Yellow (65%)

Blue (98%)

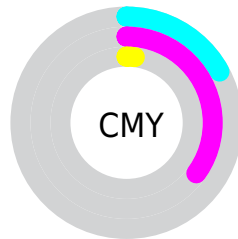


Cyan (15%)

Magenta (34%)

Yellow (0%)

Black (2%)



Cyan (17%)

Magenta (35%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8094, 0.2860, 0.2363 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 47.8094, 0.2860, 0.2363 by changing the saturation by 10% instead.


 47.8094, 0.2860,
0.2363

 47.8094, 0.2860,
0.2363


378.0361, 0.3001,
0.2789

 33.6760, 0.2824,
0.2267


 86.9206, 0.2912,
0.2510

 22.6448, 0.2778,
0.2151


 112.6671, 0.2931,
0.2567

 14.3314, 0.2716,
0.2005


143.0534, 0.2947,
0.2617

 8.3515, 0.2630,
0.1819

178.4639, 0.2961,
0.2660

 4.3207, 0.2506,
0.1577

219.2831, 0.2973,
0.2698

 1.8545, 0.2314,
0.1253

265.8952, 0.2983,

 0.5208, 0.2008,

0.2732

0.0757

318.6848, 0.2993,
0.2762

0.0000, 0.1006,
0.0000

0.0000, 0.0000,
0.0000

47.8094, 0.2860,
0.2363

47.8094, 0.2860,
0.2363

38.0510, 0.2756,
0.2069

59.4500, 0.2953,
0.2653

30.0633, 0.2643,
0.1784

73.0640, 0.3033,
0.2931

23.7320, 0.2523,
0.1520

88.7436, 0.3103,
0.3191

18.9266, 0.2401,
0.1293

99.6845, 0.3156,
0.3337

■ 15.4956, 0.2283,
0.1115

■ 13.2546, 0.2173,
0.0990

■ 12.3233, 0.2112,
0.0937

Harmonies

Analogous

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



47.8094, 0.2318, 0.2253



47.8094, 0.2860, 0.2363



47.8094, 0.3543, 0.2664

Triad

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



47.8094, 0.2860, 0.2363



47.8094, 0.4348, 0.4097



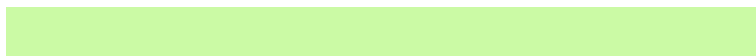
47.8094, 0.2173, 0.3369

Complementary

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



47.8094, 0.2860, 0.2363



83.8134, 0.3319, 0.4238

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.



47.8094, 0.2644, 0.4061



47.8094, 0.2860, 0.2363



47.8094, 0.3903, 0.4456

Square

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



47.8094, 0.2860, 0.2363



47.8094, 0.4458, 0.3605



47.8094, 0.3277, 0.4485



47.8094, 0.1957, 0.2747

Rectangle

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



47.8094, 0.2860, 0.2363



47.8094, 0.3976, 0.2945



47.8094, 0.3277, 0.4485



47.8094, 0.2304, 0.3608

Sweetspot

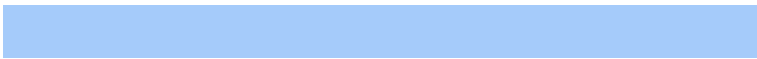
The Sweet Spot groups the original color and five complimentary colors.



47.8114, 0.2860, 0.2363



82.6960, 0.3062, 0.3038



57.7420, 0.2572, 0.2740



17.2180, 0.3052, 0.3000



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.



47.8114, 0.2860, 0.2363



42.6197, 0.2788, 0.2156



53.8820, 0.3201, 0.2482



17.1159, 0.3066, 0.3051



6.6212, 0.2128, 0.0946



0.6761, 0.2250, 0.1013

Inverse Universe

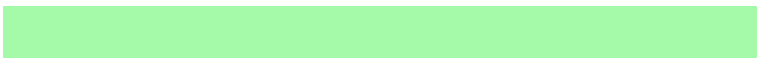
The Inverse Universe completely reimagines the original color for something new.



51.5552, 0.3570, 0.2891



47.2579, 0.3701, 0.2807



79.2678, 0.3057, 0.4259



17.3543, 0.3223, 0.3184



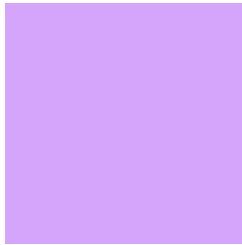
11.4271, 0.5185, 0.2630



1.0794, 0.4890, 0.2468

Previews

White Background



This preview shows how the Yxy color 47.8094, 0.2860, 0.2363 looks on a white background.

Color Contrast Check

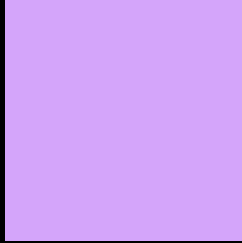
Large Text (above 18pt) WCAG AA × Fail

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 47.8094, 0.2860, 0.2363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

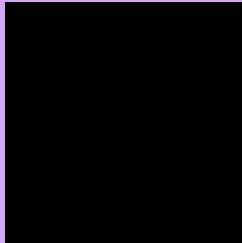
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.8094, 0.2860, 0.2363

Background



This preview shows how black text looks on a background with the Yxy color 47.8094, 0.2860, 0.2363.



This preview shows how white text looks on a background with the Yxy color 47.8094, 0.2860, 0.2363.

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

47.8094, 0.2860, 0.2363

Protanopia

48.2530, 0.2486, 0.2424

Deuteranopia

47.9786, 0.2567, 0.2500



Tritanopia

47.7624, 0.3231, 0.3119

Trichromacy



Original Color

47.8094, 0.2860, 0.2363

Protanomaly

47.8458, 0.2612, 0.2400

Deuteranomaly

47.5045, 0.2663, 0.2442

Tritanomaly

47.7624, 0.3097, 0.2830

Monochromacy



Original Color

47.8094, 0.2860, 0.2363

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

49.2160, 0.3028, 0.2916

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8094, 0.2860, 0.2363 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(212, 165, 250)` looks like.

```
.text, #text, p{  
    color:rgb(212, 165, 250)  
}
```

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(212, 165, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 165, 250) }
```

Border

The CSS property to change the border of an element to Yxy 47.8094, 0.2860, 0.2363 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(212, 165, 250) }
```

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

```
.border{ border-color:rgb(212, 165, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 165, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 165, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 165, 250);  
box-shadow:4px 4px 4px 4px rgb(212, 165,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8094, 0.2860, 0.2363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 165, 250) }
```

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

```
.background{ background-color: rgb(212,  
165, 250) }
```

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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