

Converting Colors

$Y_{xy}(50.2676, 0.2992, 0.2396)$

Have a look what the booklet for
Yxy(50.2676, 0.2992, 0.2396)
contains.

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Color

Yxy(50.3064, 0.2988, 0.2397)

Conversions

Conversions Part 1

Format	Color
Hex	E4A5FA
RGB	228, 165, 250
RGB Percent	89%, 65%, 98%
CMY	0.1058, 0.3530, 0.0196
CMYK	0.09, 0.34, 0.00, 0.02
HSL	284°, 89%, 81%
HSV	284°, 34%, 98%
XYZ	62.7099, 50.3064, 96.8561
YIQ	193.5270, 10.2630, 39.7910

Conversions

Conversions Part 2

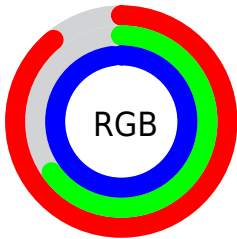
Format	Color
R _{YB}	228, 165, 250
Decimal	14984698
CIE _{Lab}	76.26, 37.62, -33.28
CIE _{LCh}	76, 50.231, 318.501
Y _{xy}	50.3064, 0.2988, 0.2397
Android (android.graphics.Color)	4293174778 (0xFFE4A5FA)
YUV	193.5270, 27.8412, 30.2328
Hunter-Lab	70.9270, 33.6979, -31.3160

Details

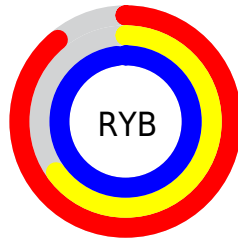
The Yxy color $50.3064, 0.2988, 0.2397$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $81.6588, 0.3214, 0.4270$, and the grayscale version is $53.4849, 0.3127, 0.3290$.

A 20% lighter version of the original color is $80.1929, 0.3143, 0.2960$, and $24.0965, 0.2936, 0.2196$ is the 20% darker color. If you saturate the color by 10%, you get $41.1159, 0.2932, 0.2129$, and if you desaturate by 10%, it is $61.3034, 0.3037, 0.2669$.

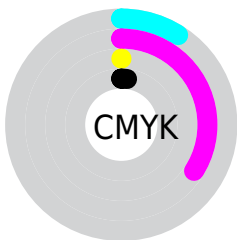
Distribution



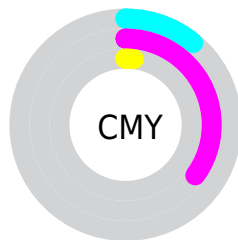
- Red (89%)
- Green (65%)
- Blue (98%)



- Red (89%)
- Yellow (65%)
- Blue (98%)



- Cyan (9%)
- Magenta (34%)
- Yellow (0%)
- Black (2%)




- Cyan (11%)
- Magenta (35%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.3064, 0.2988, 0.2397 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 50.3064, 0.2988, 0.2397 by changing the saturation by 10% instead.


 50.3064, 0.2988,
0.2397


 50.3064, 0.2988,
0.2397


387.8629, 0.3067,
0.2804

 35.6569, 0.2967,
0.2306


 90.6287, 0.3018,
0.2536

 24.1693, 0.2939,
0.2196


 117.0703, 0.3029,
0.2591

 15.4593, 0.2901,
0.2059


148.2114, 0.3038,
0.2639

 9.1424, 0.2847,
0.1884

184.4363, 0.3045,
0.2680

 4.8342, 0.2766,
0.1657

226.1296, 0.3052,
0.2717

 2.1503, 0.2636,
0.1352

273.6755, 0.3058,

 0.6927, 0.2411,

0.2749

0.0922

327.4585, 0.3062,
0.2778

0.0000, 0.1930,
0.0000

0.0000, 0.0000,
0.0000

50.3064, 0.2988,
0.2397

50.3064, 0.2988,
0.2397

41.1159, 0.2932,
0.2129

61.3034, 0.3037,
0.2669

33.6220, 0.2869,
0.1875

74.1958, 0.3080,
0.2936

27.7125, 0.2801,
0.1648

89.0741, 0.3115,
0.3192

23.2588, 0.2731,
0.1459

99.4729, 0.3149,
0.3338

■ 20.1117, 0.2660,
0.1315

■ 99.6828, 0.3156,
0.3338

■ 18.0891, 0.2591,
0.1218

■ 17.2576, 0.2550,
0.1179

Harmonies

Analogous

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



50.3064, 0.2398, 0.2243



50.3064, 0.2988, 0.2397



50.3064, 0.3689, 0.2735

Triad

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



50.3064, 0.2988, 0.2397



50.3064, 0.4298, 0.4197



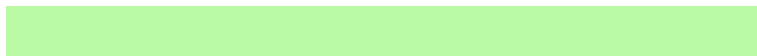
50.3064, 0.2092, 0.3228

Complementary

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



50.3064, 0.2988, 0.2397



81.6588, 0.3214, 0.4270

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.



50.3064, 0.2522, 0.3944



50.3064, 0.2988, 0.2397



50.3064, 0.3795, 0.4515

Square

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



50.3064, 0.2988, 0.2397



50.3064, 0.4490, 0.3712



50.3064, 0.3144, 0.4457



50.3064, 0.1929, 0.2639

Rectangle

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



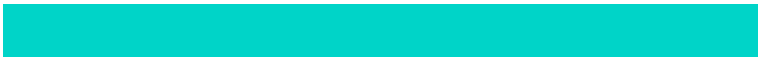
50.3064, 0.2988, 0.2397



50.3064, 0.4105, 0.3034



50.3064, 0.3144, 0.4457



50.3064, 0.2207, 0.3466

Sweetspot

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



50.3085, 0.2988, 0.2397



83.5658, 0.3094, 0.3040



50.7264, 0.2547, 0.2549



17.4289, 0.3089, 0.3004



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.



50.3085, 0.2988, 0.2397



45.6623, 0.2949, 0.2207



52.9583, 0.3329, 0.2624



17.2854, 0.3096, 0.3053



9.2259, 0.2561, 0.1185



0.9053, 0.2642, 0.1229

Inverse Universe

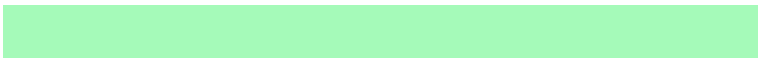
The Inverse Universe completely reimagines the original color for something new.



50.8229, 0.3721, 0.3057



46.4109, 0.3903, 0.3009



79.8731, 0.2975, 0.4066



17.2989, 0.3253, 0.3229



11.0007, 0.5906, 0.3027



1.0354, 0.5573, 0.2844

Previews

White Background



This preview shows how the Yxy color 50.3064, 0.2988, 0.2397 looks on a white background.

Color Contrast Check

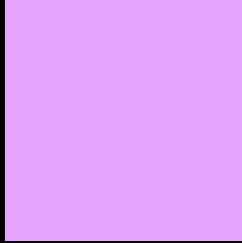
Large Text (above 18pt) WCAG AA × Fail

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 50.3064, 0.2988, 0.2397 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 50.3064, 0.2988, 0.2397

Background



This preview shows how black text looks on a background with the Yxy color 50.3064, 0.2988, 0.2397.



This preview shows how white text looks on a background with the Yxy color 50.3064, 0.2988, 0.2397.

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

50.3064, 0.2988, 0.2397

Protanopia

50.6626, 0.2536, 0.2483

Deuteranopia

50.4657, 0.2631, 0.2570



Tritanopia

50.2659, 0.3381, 0.3127

Trichromacy



Original Color

50.3064, 0.2988, 0.2397



Protanomaly

49.8798, 0.2685, 0.2440



Deuteranomaly

50.0255, 0.2751, 0.2505



Tritanomaly

50.1702, 0.3234, 0.2849

Monochromacy



Original Color

50.3064, 0.2988, 0.2397



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

51.8438, 0.3078, 0.2927

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3064, 0.2988, 0.2397 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(228, 165, 250)` looks like.

```
.text, #text, p{  
    color:rgb(228, 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(228, 165, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 165, 250) }
```

Border

The CSS property to change the border of an element to Yxy 50.3064, 0.2988, 0.2397 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(228, 165, 250) }
```

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

```
.border{ border-color:rgb(228, 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(228, 165, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 165, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 165, 250);  
box-shadow:4px 4px 4px 4px rgb(228, 165,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3064, 0.2988, 0.2397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 165, 250) }
```

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

```
.background{ background-color: rgb(228,  
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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