

Converting Colors

$Y_{xy}(50.7307, 0.2889, 0.2313)$

Have a look what the booklet for
Yxy(50.7307, 0.2889, 0.2313)
contains.

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Color

Yxy(50.3397, 0.2920, 0.2355)

Conversions

Conversions Part 1

Format	Color
Hex	E0A6FF
RGB	224, 166, 255
RGB Percent	88%, 65%, 100%
CMY	0.1216, 0.3489, 0.0002
CMYK	0.12, 0.35, 0.00, 0.00
HSL	279°, 100%, 83%
HSV	279°, 35%, 100%
XYZ	62.4170, 50.3397, 101.0000
YIQ	193.4880, 5.9990, 39.9750

Conversions

Conversions Part 2

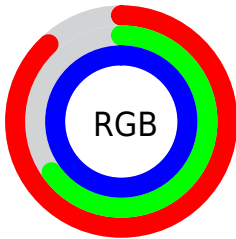
Format	Color
R_{YB}	224, 166, 255
Decimal	14722815
CIE _{Lab}	76.28, 36.85, -35.95
CIE _{LCh}	76, 51.487, 315.709
Yxy	50.3397, 0.2920, 0.2355
Android (android.graphics.Color)	4292912895 (0xFFE0A6FF)
YUV	193.4880, 30.3254, 26.7590
Hunter-Lab	70.9505, 32.8677, -34.7357

Details

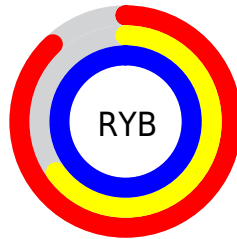
The Yxy color $50.3397, 0.2920, 0.2355$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $86.1184, 0.3266, 0.4284$, and the grayscale version is $53.4467, 0.3127, 0.3290$.

A 20% lighter version of the original color is $80.7226, 0.3142, 0.2970$, and $24.2123, 0.2857, 0.2145$ is the 20% darker color. If you saturate the color by 10%, you get $40.5898, 0.2840, 0.2075$, and if you desaturate by 10%, it is $62.0052, 0.2991, 0.2636$.

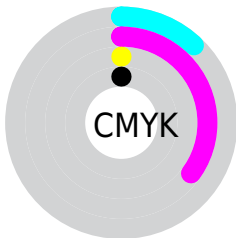
Distribution



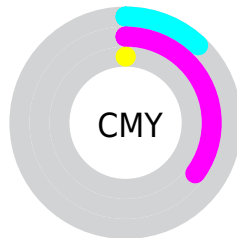
- Red (88%)
- Green (65%)
- Blue (100%)



- Red (88%)
- Yellow (65%)
- Blue (100%)



- Cyan (12%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)




- Cyan (12%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.3397, 0.2920, 0.2355 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 50.3397, 0.2920, 0.2355 by changing the saturation by 10% instead.


 50.3397, 0.2920,
0.2355


 50.3397, 0.2920,
0.2355


387.9929, 0.3032,
0.2780

 35.6834, 0.2891,
0.2261


 90.6780, 0.2962,
0.2500

 24.1898, 0.2853,
0.2147


 117.1288, 0.2977,
0.2557

 15.4745, 0.2803,
0.2005


148.2798, 0.2990,
0.2607

 9.1530, 0.2733,
0.1826

184.5155, 0.3001,
0.2650

 4.8411, 0.2631,
0.1593

226.2203, 0.3010,
0.2688

 2.1544, 0.2473,
0.1285

273.7785, 0.3018,

 0.6949, 0.2209,

0.2722

0.0861

327.5746, 0.3025,
0.2752

0.0000, 0.1668,
0.0000

0.0000, 0.0000,
0.0000

50.3397, 0.2920,
0.2355

50.3397, 0.2920,
0.2355

40.5898, 0.2840,
0.2075

62.0052, 0.2991,
0.2636

32.6391, 0.2752,
0.1807

75.6813, 0.3053,
0.2910

26.3677, 0.2658,
0.1565

91.4640, 0.3105,
0.3170

21.6385, 0.2562,
0.1361

99.9974, 0.3127,
0.3290

■ 18.2917, 0.2467,
0.1204

■ 16.1309, 0.2377,
0.1098

■ 15.3416, 0.2333,
0.1059

Harmonies

Analogous

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



50.3397, 0.2337, 0.2217



50.3397, 0.2920, 0.2355



50.3397, 0.3636, 0.2684

Triad

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



50.3397, 0.2920, 0.2355



50.3397, 0.4358, 0.4173



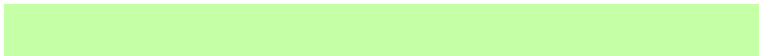
50.3397, 0.2098, 0.3291

Complementary

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



50.3397, 0.2920, 0.2355



86.1184, 0.3266, 0.4284

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.



50.3397, 0.2560, 0.4026



50.3397, 0.2920, 0.2355



50.3397, 0.3865, 0.4526

Square

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



50.3397, 0.2920, 0.2355



50.3397, 0.4520, 0.3668



50.3397, 0.3206, 0.4515



50.3397, 0.1908, 0.2667

Rectangle

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



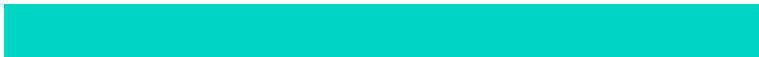
50.3397, 0.2920, 0.2355



50.3397, 0.4076, 0.2981



50.3397, 0.3206, 0.4515



50.3397, 0.2224, 0.3539

Sweetspot

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



50.3418, 0.2920, 0.2355



83.1500, 0.3079, 0.3039



55.3269, 0.2542, 0.2616



17.3280, 0.3072, 0.3002



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.



50.3418, 0.2920, 0.2355



43.2273, 0.2864, 0.2155



54.9202, 0.3274, 0.2539



17.9652, 0.3082, 0.3052



8.1054, 0.2347, 0.1066



0.8501, 0.2445, 0.1121

Inverse Universe

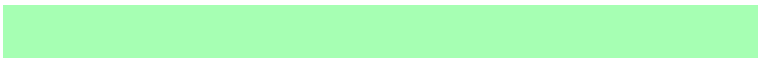
The Inverse Universe completely reimagines the original color for something new.



52.5633, 0.3668, 0.2969



45.9198, 0.3830, 0.2903



82.8730, 0.3009, 0.4181



18.0915, 0.3239, 0.3207



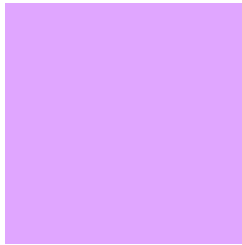
11.5094, 0.5590, 0.2853



1.1403, 0.5274, 0.2679

Previews

White Background



This preview shows how the Yxy color 50.3397, 0.2920, 0.2355 looks on a white background.

Color Contrast Check

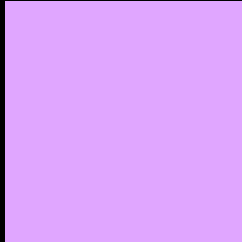
Large Text (above 18pt) WCAG AA × Fail

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 50.3397, 0.2920, 0.2355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

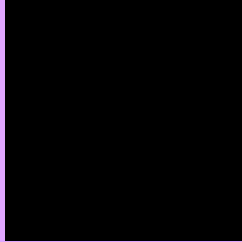
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.3397, 0.2920, 0.2355

Background



This preview shows how black text looks on a background with the Yxy color 50.3397, 0.2920, 0.2355.



This preview shows how white text looks on a background with the Yxy color 50.3397, 0.2920, 0.2355.

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

50.3397, 0.2920, 0.2355

Protanopia

50.6626, 0.2536, 0.2483

Deuteranopia

50.4336, 0.2583, 0.2516



Tritanopia

50.3866, 0.3317, 0.3125

Trichromacy



Original Color

50.3397, 0.2920, 0.2355



Protanomaly

50.1516, 0.2660, 0.2429



Deuteranomaly

49.9454, 0.2698, 0.2451

Tritanomaly

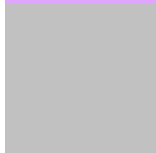
50.1354, 0.3167, 0.2813

Monochromacy



Original Color

50.3397, 0.2920, 0.2355



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

51.6622, 0.3047, 0.2903

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3397, 0.2920, 0.2355 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(224, 166, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 166, 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(224, 166, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 166, 255) }
```

Border

The CSS property to change the border of an element to Yxy 50.3397, 0.2920, 0.2355 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(224, 166, 255) }
```

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

```
.border{ border-color:rgb(224, 166, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 166, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 166, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 166, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 166,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3397, 0.2920, 0.2355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 166, 255) }
```

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

```
.background{ background-color: rgb(224,  
166, 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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