

Converting Colors

$Y_{xy}(38.8870, 0.2822, 0.2120)$

Have a look what the booklet for
Yxy(38.8870, 0.2822, 0.2120)
contains.

Yxy(38.8870, 0.2822, 0.2120)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.8870, 0.2822, 0.2120)

Conversions

Conversions Part 1

Format	Color
Hex	CE8DF7
RGB	206, 141, 247
RGB Percent	81%, 55%, 97%
CMY	0.1922, 0.4470, 0.0313
CMYK	0.17, 0.43, 0.00, 0.03
HSL	277°, 87%, 76%
HSV	277°, 43%, 97%
XYZ	51.7637, 38.8870, 92.7785
YIQ	172.5190, 4.7140, 46.7460

Conversions

Conversions Part 2

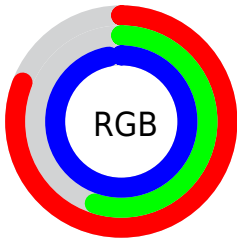
Format	Color
R _{YB}	206, 141, 247
Decimal	13536759
CIE Lab	68.67, 43.36, -43.63
CIE LCh	69, 61.513, 314.827
Yxy	38.8870, 0.2822, 0.2120
Android (android.graphics.Color)	4291726839 (0xFFCE8DF7)
YUV	172.5190, 36.7191, 29.3628
Hunter-Lab	62.3594, 39.0414, -44.5602

Details

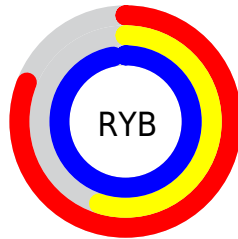
The Yxy color **38.8870, 0.2822, 0.2120** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **78.3989, 0.3315, 0.4530**, and the grayscale version is **41.3410, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9599, 0.3154, 0.2712**, and **17.3465, 0.2721, 0.1855** is the 20% darker color. If you saturate the color by 10%, you get **31.0711, 0.2725, 0.1843**, and if you desaturate by 10%, it is **48.4135, 0.2910, 0.2406**.

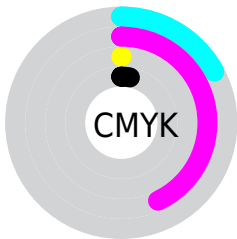
Distribution



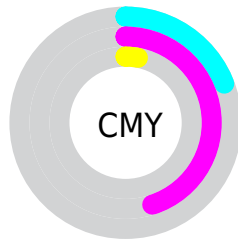
- Red (81%)
- Green (55%)
- Blue (97%)



- Red (81%)
- Yellow (55%)
- Blue (97%)



- Cyan (17%)
- Magenta (43%)
- Yellow (0%)
- Black (3%)




- Cyan (19%)
- Magenta (45%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.8870, 0.2822, 0.2120 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 38.8870, 0.2822, 0.2120 by changing the saturation by 10% instead.


 38.8870, 0.2822,
0.2120


 38.8870, 0.2822,
0.2120


341.4098, 0.2992,
0.2661


 26.6718, 0.2776,
0.1999


 73.4657, 0.2886,
0.2306

 17.3269, 0.2717,
0.1852


 96.5979, 0.2910,
0.2379

 10.4678, 0.2636,
0.1671


 124.1381, 0.2929,
0.2442

 5.7102, 0.2521,
0.1442

156.4704, 0.2946,
0.2497

 2.6697, 0.2352,
0.1152

193.9793, 0.2960,
0.2545

 0.9618, 0.2088,
0.0787

237.0493, 0.2972,

 0.0000, 0.1713,

0.2588


0.0000


286.0647, 0.2982,
0.2626

 0.0000, 0.0000,
0.0000

 38.8870, 0.2822,
0.2120


 38.8870, 0.2822,
0.2120


 31.0711, 0.2725,
0.1843


 48.4135, 0.2910,
0.2406

 24.8504, 0.2622,
0.1588


 59.7464, 0.2988,
0.2689


 20.1021, 0.2516,
0.1367

 72.9800, 0.3055,
0.2962

 16.6832, 0.2411,
0.1193

 88.2004, 0.3112,
0.3219

 14.4203, 0.2311,
0.1071

 99.2659, 0.3166,
0.3367

■ 13.3340, 0.2245,
0.1010

■ 99.4958, 0.3173,
0.3366

Harmonies

Analogous

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



38.8870, 0.2110, 0.1955



38.8870, 0.2822, 0.2120



38.8870, 0.3750, 0.2510

Triad

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



38.8870, 0.2822, 0.2120



38.8870, 0.4685, 0.4330



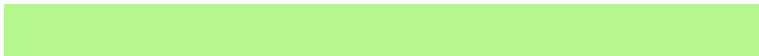
38.8870, 0.1835, 0.3292

Complementary

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



38.8870, 0.2822, 0.2120



78.3989, 0.3315, 0.4530

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.



38.8870, 0.2400, 0.4301



38.8870, 0.2822, 0.2120



38.8870, 0.4044, 0.4856

Square

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



38.8870, 0.2822, 0.2120



38.8870, 0.4918, 0.3687



38.8870, 0.3210, 0.4937



38.8870, 0.1612, 0.2485

Rectangle

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



38.8870, 0.2822, 0.2120



38.8870, 0.4337, 0.2864



38.8870, 0.3210, 0.4937



38.8870, 0.1986, 0.3628

Sweetspot

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



38.8886, 0.2822, 0.2120



78.2902, 0.3054, 0.2959



46.4161, 0.2411, 0.2498



16.0465, 0.3040, 0.2900



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.



38.8886, 0.2822, 0.2120



34.8062, 0.2743, 0.1892



44.9087, 0.3269, 0.2327



16.4295, 0.3076, 0.3052



7.1358, 0.2260, 0.1019



0.6863, 0.2377, 0.1083

Inverse Universe

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



42.2078, 0.3806, 0.2852



39.0209, 0.4006, 0.2775



74.4440, 0.3012, 0.4495



16.5887, 0.3233, 0.3199



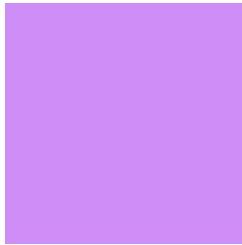
10.9264, 0.5432, 0.2766



0.9798, 0.5096, 0.2581

Previews

White Background



This preview shows how the Yxy color 38.8870, 0.2822, 0.2120 looks on a white background.

Color Contrast Check

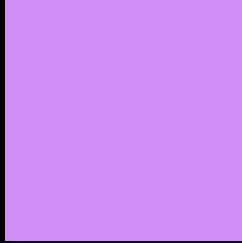
Large Text (above 18pt) WCAG AA × Fail

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 38.8870, 0.2822, 0.2120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

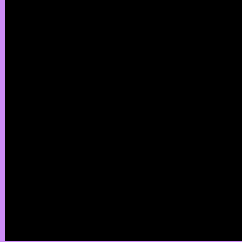
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.8870, 0.2822, 0.2120

Background



This preview shows how black text looks on a background with the Yxy color 38.8870, 0.2822, 0.2120.

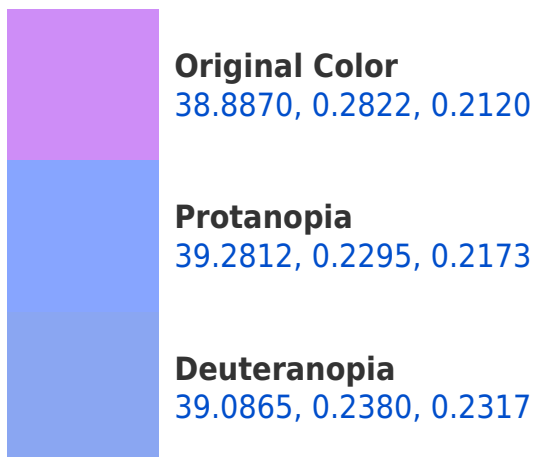


This preview shows how white text looks on a background with the Yxy color 38.8870, 0.2822, 0.2120.

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





Tritanopia

38.8253, 0.3369, 0.3134

Trichromacy



Original Color

38.8870, 0.2822, 0.2120



Protanomaly

38.3823, 0.2457, 0.2136



Deuteranomaly

38.4321, 0.2519, 0.2226



Tritanomaly

38.5395, 0.3154, 0.2719

Monochromacy



Original Color

38.8870, 0.2822, 0.2120



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

39.9742, 0.3014, 0.2791

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8870, 0.2822, 0.2120 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(206, 141, 247)` looks like.

```
.text, #text, p{  
    color:rgb(206, 141, 247)  
}
```

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(206, 141, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 141, 247) }
```

Border

The CSS property to change the border of an element to Yxy 38.8870, 0.2822, 0.2120 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(206, 141, 247) }
```

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

```
.border{ border-color:rgb(206, 141, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 141, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 141, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 141, 247);  
box-shadow:4px 4px 4px 4px rgb(206, 141,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8870, 0.2822, 0.2120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 141, 247) }
```

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

```
.background{ background-color: rgb(206,  
141, 247) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor