

Converting Colors

$Y_{xy}(22.5119, 0.2564, 0.1442)$

Have a look what the booklet for
Yxy(22.5119, 0.2564, 0.1442)
contains.

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Color

Yxy(22.5871, 0.2566, 0.1446)

Conversions

Conversions Part 1

Format	Color
Hex	B94DFB
RGB	185, 77, 251
RGB Percent	73%, 30%, 98%
CMY	0.2744, 0.6982, 0.0156
CMYK	0.26, 0.69, 0.00, 0.02
HSL	277°, 96%, 64%
HSV	277°, 69%, 98%
XYZ	40.0819, 22.5871, 93.5350
YIQ	129.1280, 8.5140, 77.0100

Conversions

Conversions Part 2

Format	Color
RYB	185, 77, 251
Decimal	12144123
CIELab	54.64, 70.45, -68.32
CIELCh	55, 98.137, 315.878
Yxy	22.5871, 0.2566, 0.1446
Android (android.graphics.Color)	4290334203 (0xFFB94DFB)
YUV	129.1280, 60.0829, 48.9997
Hunter-Lab	47.5259, 67.3714, -83.4196

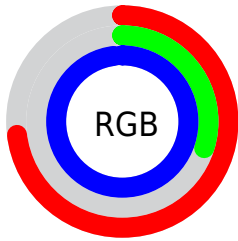
Details

The Yxy color **22.5871, 0.2566, 0.1446** is a light color, and the websafe version is hex **CC66FF**.

The color can be described as light washed purple. A complement of this color would be **75.3824, 0.3330, 0.5323**, and the grayscale version is **21.7810, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.6827, 0.3094, 0.2104**, and **8.2859, 0.2349, 0.1068** is the 20% darker color. If you saturate the color by 10%, you get **18.5839, 0.2462, 0.1256**, and if you desaturate by 10%, it is **28.0253, 0.2669, 0.1679**.

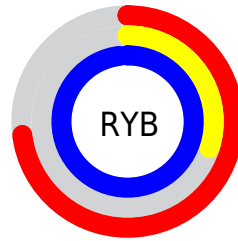
Distribution



Red (73%)

Green (30%)

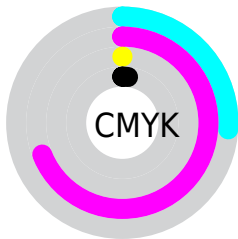
Blue (98%)



Red (73%)

Yellow (30%)

Blue (98%)

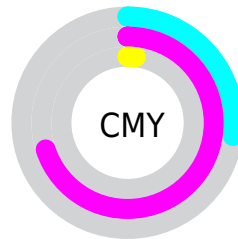


Cyan (26%)

Magenta (69%)

Yellow (0%)

Black (2%)



Cyan (27%)


Magenta (70%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5871, 0.2566, 0.1446 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 22.5871, 0.2566, 0.1446 by changing the saturation by 10% instead.


 22.5871, 0.2566,
0.1446


 22.5871, 0.2566,
0.1446


265.5971, 0.2902,
0.2283


 14.2889, 0.2472,
0.1271


 47.7144, 0.2697,
0.1726


 8.3219, 0.2349,
0.1068

 65.3124, 0.2744,
0.1838

 4.3016, 0.2182,
0.0833


 86.7791, 0.2782,
0.1936

 1.8437, 0.1952,
0.0570

 112.4989, 0.2814,
0.2023

 0.5142, 0.1633,
0.0273

 142.8562, 0.2841,
0.2099

 0.0000, 0.1190,
0.0000

178.2354, 0.2864,

 0.0000, 0.0223,

0.2167

0.0000

219.0209, 0.2884,
0.2228

■ 0.0000, 0.0000,
0.0000

■ 22.5871, 0.2566,
0.1446

■ 22.5871, 0.2566,
0.1446

■ 18.5839, 0.2462,
0.1256

■ 28.0253, 0.2669,
0.1679

■ 15.8460, 0.2362,
0.1116

■ 35.0369, 0.2769,
0.1942

■ 14.1181, 0.2268,
0.1025

■ 43.7464, 0.2861,
0.2223

■ 14.0192, 0.2262,
0.1020

■ 54.2649, 0.2943,
0.2508

■ 66.6937, 0.3016,
0.2788

 81.1264, 0.3078,
0.3056

 97.6507, 0.3130,
0.3306

 99.7467, 0.3150,
0.3328

Harmonies

Analogous

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



22.5871, 0.1473, 0.1203



22.5871, 0.2566, 0.1446



22.5871, 0.4286, 0.1994

Triad

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



22.5871, 0.2566, 0.1446



22.5871, 0.5440, 0.4560



22.5871, 0.0949, 0.3038

Complementary

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



22.5871, 0.2566, 0.1446



75.3824, 0.3330, 0.5323

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.



22.5871, 0.1648, 0.5338



22.5871, 0.2566, 0.1446



22.5871, 0.4188, 0.5812

Square

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



22.5871, 0.2566, 0.1446



22.5871, 0.6173, 0.3538



22.5871, 0.2833, 0.6563



22.5871, 0.0775, 0.1747

Rectangle

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



22.5871, 0.2566, 0.1446



22.5871, 0.5432, 0.2481



22.5871, 0.2833, 0.6563



22.5871, 0.1113, 0.3732

Sweetspot

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



22.5879, 0.2566, 0.1446



66.8138, 0.3004, 0.2742



28.3960, 0.1975, 0.1844



13.5158, 0.2985, 0.2665



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.



22.5879, 0.2566, 0.1446



18.0583, 0.2424, 0.1198



31.5710, 0.3405, 0.1892



17.1767, 0.3077, 0.3052



7.4535, 0.2277, 0.1028



0.7511, 0.2387, 0.1089

Inverse Universe

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



27.7995, 0.4556, 0.2672



24.4585, 0.5001, 0.2675



71.4552, 0.2959, 0.5322



17.3341, 0.3234, 0.3200



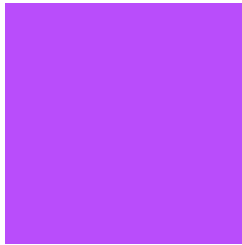
11.2425, 0.5466, 0.2785



1.0611, 0.5143, 0.2607

Previews

White Background



This preview shows how the Yxy color 22.5871, 0.2566, 0.1446 looks on a white background.

Color Contrast Check

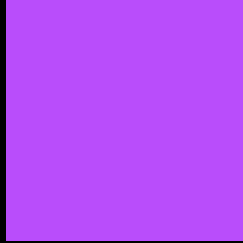
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5871, 0.2566, 0.1446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

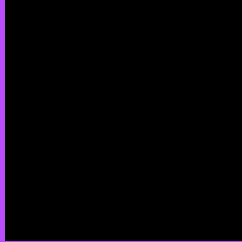
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.5871, 0.2566, 0.1446

Background



This preview shows how black text looks on a background with the Yxy color 22.5871, 0.2566, 0.1446.



This preview shows how white text looks on a background with the Yxy color 22.5871, 0.2566, 0.1446.

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

22.5871, 0.2566, 0.1446

Protanopia

23.0769, 0.1825, 0.1563

Deuteranopia

22.7732, 0.1828, 0.1780



Tritanopia

22.3817, 0.3606, 0.3150

Trichromacy



Original Color

22.5871, 0.2566, 0.1446



Protanomaly

20.7457, 0.1959, 0.1426



Deuteranomaly

19.3544, 0.1866, 0.1499



Tritanomaly

21.4497, 0.3173, 0.2322

Monochromacy



Original Color

22.5871, 0.2566, 0.1446



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

20.5586, 0.2892, 0.2330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5871, 0.2566, 0.1446 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(185, 77, 251)` looks like.

```
.text, #text, p{  
  color:rgb(185, 77, 251)  
}
```

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(185, 77, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 77, 251) }
```

Border

The CSS property to change the border of an element to Yxy 22.5871, 0.2566, 0.1446 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(185, 77, 251) }
```

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

```
.border{ border-color:rgb(185, 77, 251) }
```

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

Here you see how a box with a 4 pixel rgb(185, 77, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 77, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 77, 251);  
box-shadow:4px 4px 4px 4px rgb(185, 77,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5871, 0.2566, 0.1446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 77, 251) }
```

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

```
.background{ background-color: rgb(185, 77,  
251) }
```

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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