

Converting Colors

Yxy(22.4752, 0.2550, 0.1430)

Have a look what the booklet for
Yxy(22.4752, 0.2550, 0.1430)
contains.

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Color

Yxy(22.3875, 0.2549, 0.1429)

Conversions

Conversions Part 1

Format	Color
Hex	B84CFC
RGB	184, 76, 252
RGB Percent	72%, 30%, 99%
CMY	0.2783, 0.7022, 0.0116
CMYK	0.27, 0.70, 0.00, 0.01
HSL	277°, 97%, 64%
HSV	277°, 70%, 99%
XYZ	39.9340, 22.3875, 94.3440
YIQ	128.3560, 7.8720, 77.6320

Conversions

Conversions Part 2

Format	Color
RYB	184, 76, 252
Decimal	12078332
CIELab	54.44, 70.89, -69.23
CIELCh	54, 99.083, 315.678
Yxy	22.3875, 0.2549, 0.1429
Android (android.graphics.Color)	4290268412 (0xFFB84CFC)
YUV	128.3560, 60.9565, 48.7998
Hunter-Lab	47.3154, 67.8513, -85.0997

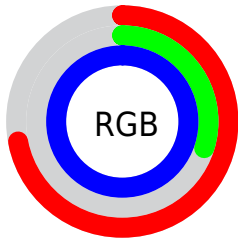
Details

The Yxy color **22.3875, 0.2549, 0.1429** is a light color, and the websafe version is hex **CC33FF**.

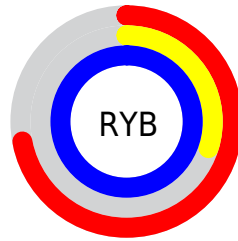
The color can be described as light washed purple. A complement of this color would be **76.0911, 0.3337, 0.5332**, and the grayscale version is **21.4941, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2282, 0.3086, 0.2093**, and **8.2550, 0.2329, 0.1057** is the 20% darker color. If you saturate the color by 10%, you get **18.4105, 0.2443, 0.1240**, and if you desaturate by 10%, it is **27.8076, 0.2655, 0.1661**.

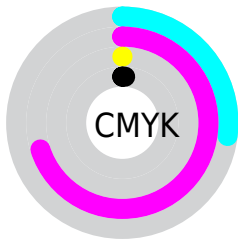
Distribution



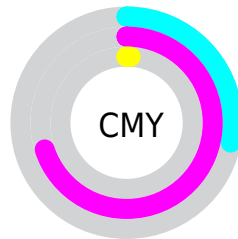
- Red (72%)
- Green (30%)
- Blue (99%)



- Red (72%)
- Yellow (30%)
- Blue (99%)



- Cyan (27%)
- Magenta (70%)
- Yellow (0%)
- Black (1%)




- Cyan (28%)
- Magenta (70%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3875, 0.2549, 0.1429 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 22.3875, 0.2549, 0.1429 by changing the saturation by 10% instead.


 22.3875, 0.2549,
0.1429


 22.3875, 0.2549,
0.1429


264.5633, 0.2894,
0.2272


 14.1419, 0.2453,
0.1254


 47.3856, 0.2683,
0.1710


 8.2194, 0.2327,
0.1050


 64.9069, 0.2731,
0.1823


 4.2357, 0.2157,
0.0815


 86.2889, 0.2771,
0.1922

 1.8063, 0.1924,
0.0554

 111.9161, 0.2804,
0.2009

 0.4911, 0.1603,
0.0258

 142.1726, 0.2832,
0.2086

 0.0000, 0.1158,
0.0000


177.4431, 0.2855,


 0.0000, 0.0195,

0.2155


0.0000

218.1119, 0.2876,
0.2217


 0.0000, 0.0000,
0.0000


 22.3875, 0.2549,
0.1429


 22.3875, 0.2549,
0.1429


 18.4105, 0.2443,
0.1240


 27.8076, 0.2655,
0.1661

 15.7034, 0.2342,
0.1102


 34.8121, 0.2756,
0.1925


 13.9912, 0.2247,
0.1012


 43.5274, 0.2850,
0.2206


 13.9710, 0.2246,
0.1011

 54.0663, 0.2935,
0.2492

 66.5318, 0.3010,
0.2773

 81.0189, 0.3074,
0.3042

 97.6163, 0.3128,
0.3293

 99.8108, 0.3144,
0.3318

Harmonies

Analogous

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



22.3875, 0.1454, 0.1187



22.3875, 0.2549, 0.1429



22.3875, 0.4285, 0.1977

Triad

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



22.3875, 0.2549, 0.1429



22.3875, 0.5454, 0.4546



22.3875, 0.0933, 0.3043

Complementary

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



22.3875, 0.2549, 0.1429



76.0911, 0.3337, 0.5332

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.



22.3875, 0.1636, 0.5383



22.3875, 0.2549, 0.1429



22.3875, 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.



22.3875, 0.2549, 0.1429



22.3875, 0.6201, 0.3523



22.3875, 0.2826, 0.6602



22.3875, 0.0759, 0.1735

Rectangle

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



22.3875, 0.2549, 0.1429



22.3875, 0.5449, 0.2466



22.3875, 0.2826, 0.6602



22.3875, 0.1097, 0.3750

Sweetspot

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



22.3883, 0.2549, 0.1429



66.7503, 0.3002, 0.2742



29.2422, 0.1977, 0.1871



13.5007, 0.2982, 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.



22.3883, 0.2549, 0.1429



17.5951, 0.2400, 0.1176



31.8301, 0.3376, 0.1864



17.1704, 0.3076, 0.3052



7.3627, 0.2261, 0.1019



0.7430, 0.2373, 0.1081

Inverse Universe

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



27.8768, 0.4555, 0.2658



24.2751, 0.5009, 0.2665



71.9801, 0.2969, 0.5369



17.3362, 0.3233, 0.3199



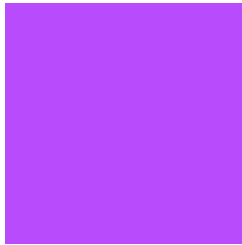
11.2598, 0.5438, 0.2769



1.0629, 0.5117, 0.2593

Previews

White Background



This preview shows how the Yxy color 22.3875, 0.2549, 0.1429 looks on a white background.

Color Contrast Check

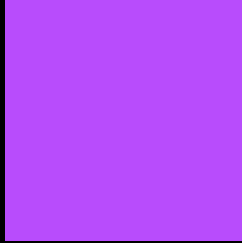
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3875, 0.2549, 0.1429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

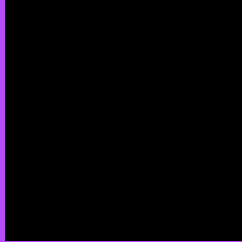
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.3875, 0.2549, 0.1429

Background



This preview shows how black text looks on a background with the Yxy color 22.3875, 0.2549, 0.1429.



This preview shows how white text looks on a background with the Yxy color 22.3875, 0.2549, 0.1429.

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

22.3875, 0.2549, 0.1429

Protanopia

22.7701, 0.1817, 0.1548

Deuteranopia

22.7156, 0.1830, 0.1789



Tritanopia

22.2757, 0.3593, 0.3149

Trichromacy



Original Color

22.3875, 0.2549, 0.1429



Protanomaly

20.4223, 0.1946, 0.1410



Deuteranomaly

19.1325, 0.1863, 0.1486



Tritanomaly

21.3370, 0.3161, 0.2318

Monochromacy



Original Color

22.3875, 0.2549, 0.1429



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

20.2503, 0.2880, 0.2312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3875, 0.2549, 0.1429 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(184, 76, 252)` looks like.

```
.text, #text, p{  
    color:rgb(184, 76, 252)  
}
```

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(184, 76, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 76, 252) }
```

Border

The CSS property to change the border of an element to Yxy 22.3875, 0.2549, 0.1429 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(184, 76, 252) }
```

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

```
.border{ border-color:rgb(184, 76, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 76, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 76, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 76, 252);  
box-shadow:4px 4px 4px 4px rgb(184, 76,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3875, 0.2549, 0.1429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 76, 252) }
```

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

```
.background{ background-color: rgb(184, 76,  
252) }
```

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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