

Converting Colors

$Y_{xy}(22.8343, 0.2423, 0.1444)$

Have a look what the booklet for
Yxy(22.8343, 0.2423, 0.1444)
contains.

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Color

Yxy(22.8574, 0.2423, 0.1445)

Conversions

Conversions Part 1

Format	Color
Hex	AB58FF
RGB	171, 88, 255
RGB Percent	67%, 35%, 100%
CMY	0.3296, 0.6548, 0.0000
CMYK	0.33, 0.65, 0.00, 0.00
HSL	270°, 100%, 67%
HSV	270°, 65%, 100%
XYZ	38.3277, 22.8574, 96.9976
YIQ	131.8550, -4.1390, 69.5330

Conversions

Conversions Part 2

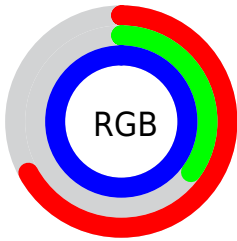
Format	Color
R_{YB}	171, 88, 255
Decimal	11229439
CIE _{Lab}	54.93, 63.69, -70.16
CIE _{LCh}	55, 94.751, 312.233
Yxy	22.8574, 0.2423, 0.1445
Android (android.graphics.Color)	4289419519 (0xFFAB58FF)
YUV	131.8550, 60.7105, 34.3302
Hunter-Lab	47.8094, 59.4327, -86.8233

Details

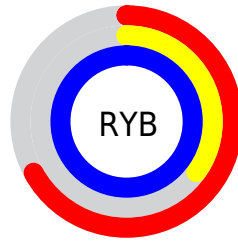
The Yxy color **22.8574, 0.2423, 0.1445** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **81.0018, 0.3462, 0.5141**, and the grayscale version is **22.8007, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5549, 0.2974, 0.2135**, and **8.4559, 0.2177, 0.1067** is the 20% darker color. If you saturate the color by 10%, you get **18.0054, 0.2289, 0.1215**, and if you desaturate by 10%, it is **29.3142, 0.2557, 0.1714**.

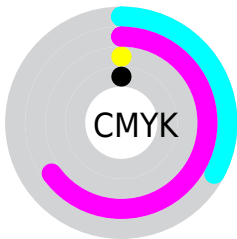
Distribution



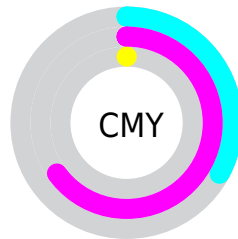
- Red (67%)
- Green (35%)
- Blue (100%)



- Red (67%)
- Yellow (35%)
- Blue (100%)



- Cyan (33%)
- Magenta (65%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (65%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8574, 0.2423, 0.1445 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 22.8574, 0.2423, 0.1445 by changing the saturation by 10% instead.


 22.8574, 0.2423,
0.1445


 22.8574, 0.2423,
0.1445


266.9917, 0.2825,
0.2284

 14.4882, 0.2315,
0.1270


 48.1591, 0.2576,
0.1725


 8.4610, 0.2176,
0.1066


 65.8604, 0.2632,
0.1838

 4.3913, 0.1992,
0.0831


 87.4412, 0.2679,
0.1937

 1.8948, 0.1744,
0.0569

 113.2859, 0.2718,
0.2023

 0.5452, 0.1411,
0.0278

143.7789, 0.2751,
0.2100

 0.0000, 0.0973,
0.0000

179.3047, 0.2779,

 0.0000, 0.0000,

0.2168

0.0000

220.2474, 0.2804,
0.2229

■ 22.8574, 0.2423,
0.1445

■ 22.8574, 0.2423,
0.1445

■ 18.0054, 0.2289,
0.1215

■ 29.3142, 0.2557,
0.1714

■ 14.5916, 0.2161,
0.1036

■ 37.5144, 0.2686,
0.2007

■ 12.4145, 0.2046,
0.0915

■ 47.5841, 0.2806,
0.2308

■ 11.7058, 0.1998,
0.0874

■ 59.6365, 0.2913,
0.2605

■ 73.7757, 0.3007,
0.2889

 90.0982, 0.3088,
0.3154

99.9999, 0.3127,
0.3290

Harmonies

Analogous

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



22.8574, 0.1427, 0.1241



22.8574, 0.2423, 0.1445



22.8574, 0.4031, 0.1952

Triad

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



22.8574, 0.2423, 0.1445



22.8574, 0.5515, 0.4425



22.8574, 0.1059, 0.3290

Complementary

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



22.8574, 0.2423, 0.1445



81.0018, 0.3462, 0.5141

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.



22.8574, 0.1831, 0.5502



22.8574, 0.2423, 0.1445



22.8574, 0.4351, 0.5613

Square

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



22.8574, 0.2423, 0.1445



22.8574, 0.6120, 0.3465



22.8574, 0.3031, 0.6427



22.8574, 0.0826, 0.1899

Rectangle

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



22.8574, 0.2423, 0.1445



22.8574, 0.5172, 0.2422



22.8574, 0.3031, 0.6427



22.8574, 0.1249, 0.3995

Sweetspot

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



22.8582, 0.2423, 0.1445



67.1184, 0.2966, 0.2763



39.6830, 0.2103, 0.2239



13.5276, 0.2939, 0.2682



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.



22.8582, 0.2423, 0.1445



16.6486, 0.2243, 0.1145



34.9400, 0.3171, 0.1794



17.8209, 0.3057, 0.3050



6.2053, 0.2015, 0.0883



0.6691, 0.2137, 0.0951

Inverse Universe

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



31.2251, 0.4150, 0.2483



26.2211, 0.4479, 0.2424



74.4386, 0.3038, 0.5407



18.1396, 0.3215, 0.3171



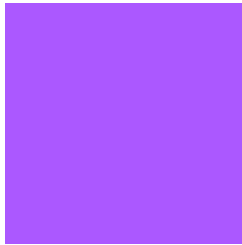
11.9580, 0.4950, 0.2501



1.1864, 0.4698, 0.2362

Previews

White Background



This preview shows how the Yxy color 22.8574, 0.2423, 0.1445 looks on a white background.

Color Contrast Check

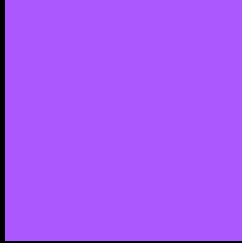
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8574, 0.2423, 0.1445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

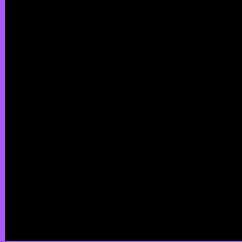
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.8574, 0.2423, 0.1445

Background



This preview shows how black text looks on a background with the Yxy color 22.8574, 0.2423, 0.1445.



This preview shows how white text looks on a background with the Yxy color 22.8574, 0.2423, 0.1445.

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

22.8574, 0.2423, 0.1445

Protanopia

23.1556, 0.1833, 0.1566

Deuteranopia

23.1063, 0.1830, 0.1786



Tritanopia

22.7124, 0.3291, 0.3125

Trichromacy



Original Color

22.8574, 0.2423, 0.1445



Protanomaly

21.5171, 0.1951, 0.1458



Deuteranomaly

20.2178, 0.1856, 0.1530



Tritanomaly

21.9109, 0.2910, 0.2307

Monochromacy



Original Color

22.8574, 0.2423, 0.1445



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

21.7761, 0.2823, 0.2361

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8574, 0.2423, 0.1445 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(171, 88, 255)` looks like.

```
.text, #text, p{  
    color:rgb(171, 88, 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(171, 88, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 88, 255) }
```

Border

The CSS property to change the border of an element to Yxy 22.8574, 0.2423, 0.1445 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(171, 88, 255) }
```

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

```
.border{ border-color:rgb(171, 88, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 88, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 88, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 88, 255); box-shadow:4px 4px 4px 4px rgb(171, 88, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8574, 0.2423, 0.1445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 88, 255) }
```

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

```
.background{ background-color: rgb(171, 88,  
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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