

Converting Colors

$Yxy(11.9324, 0.2047, 0.0901)$

Have a look what the booklet for
Yxy(11.9324, 0.2047, 0.0901)
contains.

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Color

Yxy(11.9974, 0.2048, 0.0902)

Conversions

Conversions Part 1

Format	Color
Hex	8400FD
RGB	132, 0, 253
RGB Percent	52%, 0%, 99%
CMY	0.4823, 0.9996, 0.0080
CMYK	0.48, 1.00, 0.00, 0.01
HSL	271°, 100%, 50%
HSV	271°, 100%, 99%
XYZ	27.2402, 11.9974, 93.7713
YIQ	68.3100, -2.5410, 106.6670

Conversions

Conversions Part 2

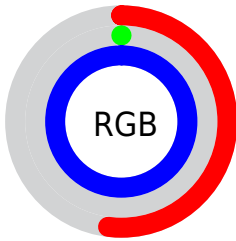
Format	Color
R_{YB}	132, 0, 253
Decimal	8651005
CIE _{Lab}	41.21, 83.05, -91.64
CIE _{LCh}	41, 123.677, 312.185
Yxy	11.9974, 0.2048, 0.0902
Android (android.graphics.Color)	4286841085 (0xFF8400FD)
YUV	68.3100, 91.0522, 55.8561
Hunter-Lab	34.6373, 79.7648, -136.2660

Details

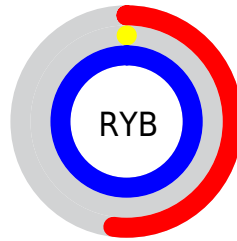
The Yxy color **11.9974, 0.2048, 0.0902** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark saturated purple. A complement of this color would be **74.2915, 0.3324, 0.5742**, and the grayscale version is **5.6947, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.0086, 0.2633, 0.1508**, and **4.9643, 0.1721, 0.0722** is the 20% darker color. If you saturate the color by 10%, you get **11.9913, 0.2048, 0.0902**, and if you desaturate by 10%, it is **13.7407, 0.2155, 0.1001**.

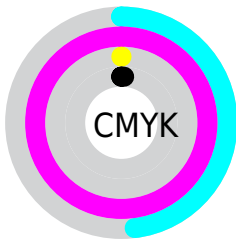
Distribution



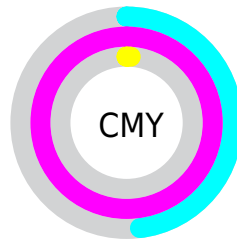
- Red (52%)
- Green (0%)
- Blue (99%)



- Red (52%)
- Yellow (0%)
- Blue (99%)



- Cyan (48%)
- Magenta (100%)
- Yellow (0%)
- Black (1%)



- Cyan (48%)
- Magenta (100%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.9974, 0.2048, 0.0902 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 11.9974, 0.2048, 0.0902 by changing the saturation by 10% instead.


 11.9974, 0.2048,
0.0902


 11.9974, 0.2048,
0.0902


204.3881, 0.2685,
0.1953


 6.7419, 0.1880,
0.0709


 29.4904, 0.2291,
0.1235


 3.3012, 0.1669,
0.0502


 42.4966, 0.2380,
0.1376


 1.2909, 0.1402,
0.0296


 58.8553, 0.2453,
0.1501

 0.1342, 0.1079,
0.0049

 78.9507, 0.2515,
0.1612

 0.0000, 0.0686,
0.0000

 103.1673, 0.2568,
0.1711

 0.0000, 0.0056,
0.0000

 131.8895, 0.2612,

 0.0000, 0.0000,

0.1800

0.0000

165.5016, 0.2651,
0.1881

■ 11.9974, 0.2048,
0.0902

■ 11.9974, 0.2048,
0.0902

■ 11.9913, 0.2048,
0.0902

■ 13.7407, 0.2155,
0.1001

■ 16.5190, 0.2274,
0.1151

■ 20.6155, 0.2401,
0.1356

■ 26.2047, 0.2530,
0.1605

■ 33.4331, 0.2656,
0.1884

■ 42.4295, 0.2774,
0.2180

■ 53.3090, 0.2881,
0.2477

■ 66.1770, 0.2976,
0.2766

■ 81.1310, 0.3058,
0.3038

Harmonies

Analogous

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



11.9974, 0.0900, 0.0700



11.9974, 0.2048, 0.0902



11.9974, 0.4411, 0.1439

Triad

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



11.9974, 0.2048, 0.0902



11.9974, 0.5933, 0.4067



11.9974, 0.0378, 0.3005

Complementary

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



11.9974, 0.2048, 0.0902



74.2915, 0.3324, 0.5742

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.



11.9974, 0.0975, 0.7191



11.9974, 0.2048, 0.0902



11.9974, 0.4046, 0.5954

Square

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



11.9974, 0.2048, 0.0902



11.9974, 0.7104, 0.2896



11.9974, 0.2171, 0.7829



11.9974, 0.0293, 0.1244

Rectangle

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



11.9974, 0.2048, 0.0902



11.9974, 0.6237, 0.1940



11.9974, 0.2171, 0.7829



11.9974, 0.0498, 0.4218

Sweetspot

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



11.9977, 0.2048, 0.0902



54.2285, 0.2880, 0.2475



21.0865, 0.1748, 0.1491



10.5562, 0.2837, 0.2350



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.



11.9977, 0.2048, 0.0902



12.2087, 0.2047, 0.0901



27.7001, 0.3252, 0.1565



17.8439, 0.3061, 0.3050



6.4688, 0.2064, 0.0911



0.6949, 0.2184, 0.0977

Inverse Universe

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



22.2583, 0.5093, 0.2579



22.6645, 0.5095, 0.2580



70.2328, 0.2998, 0.5993



18.1318, 0.3219, 0.3177



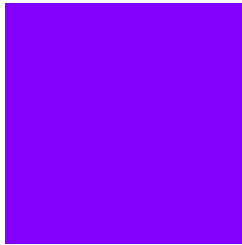
11.8725, 0.5056, 0.2559



1.1779, 0.4790, 0.2413

Previews

White Background



This preview shows how the Yxy color 11.9974, 0.2048, 0.0902 looks on a white background.

Color Contrast Check

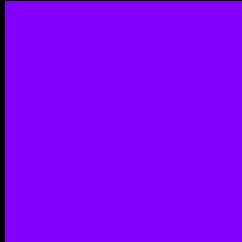
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 11.9974, 0.2048, 0.0902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

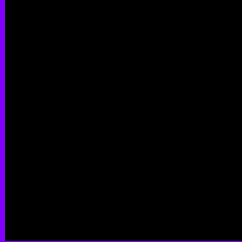
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.9974, 0.2048, 0.0902

Background



This preview shows how black text looks on a background with the Yxy color 11.9974, 0.2048, 0.0902.



This preview shows how white text looks on a background with the Yxy color 11.9974, 0.2048, 0.0902.

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

11.9974, 0.2048, 0.0902

Protanopia

12.3545, 0.1746, 0.1486

Deuteranopia

12.2476, 0.1861, 0.1899



Tritanopia

12.3440, 0.2962, 0.3131

Trichromacy



Original Color

11.9974, 0.2048, 0.0902

Protanomaly

8.9746, 0.1688, 0.0970

Deuteranomaly

8.5122, 0.1736, 0.1087

Tritanomaly

9.2464, 0.2482, 0.1614

Monochromacy



Original Color

11.9974, 0.2048, 0.0902

Achromatopsia

5.7805, 0.3127, 0.3290

Achromatomaly

5.7012, 0.2464, 0.1470

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.9974, 0.2048, 0.0902 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(132, 0, 253)` looks like.

```
.text, #text, p{  
    color:rgb(132, 0, 253)  
}
```

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(132, 0, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 0, 253) }
```

Border

The CSS property to change the border of an element to Yxy 11.9974, 0.2048, 0.0902 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(132, 0, 253) }
```

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

```
.border{ border-color:rgb(132, 0, 253) }
```

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

Here you see how a box with a 4 pixel rgb(132, 0, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 0, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 0, 253);  
box-shadow:4px 4px 4px 4px rgb(132, 0,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 11.9974, 0.2048, 0.0902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 0, 253) }
```

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

```
.background{ background-color: rgb(132, 0,  
253) }
```

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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