

Converting Colors

$Y_{xy}(10.8524, 0.2074, 0.0916)$

Have a look what the booklet for
Yxy(10.8524, 0.2074, 0.0916)
contains.

Yxy(10.8805, 0.2074, 0.0916)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(10.8805, 0.2074, 0.0916)

Conversions

Conversions Part 1

Format	Color
Hex	8000F0
RGB	128, 0, 240
RGB Percent	50%, 0%, 94%
CMY	0.4980, 1.0000, 0.0587
CMYK	0.47, 1.00, 0.00, 0.06
HSL	272°, 100%, 47%
HSV	272°, 100%, 94%
XYZ	24.6355, 10.8805, 83.2667
YIQ	65.6320, -0.7520, 101.7760

Conversions

Conversions Part 2

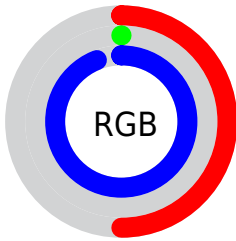
Format	Color
R_{YB}	128, 0, 240
Decimal	8388848
CIE _{Lab}	39.38, 80.09, -87.41
CIE _{LCh}	39, 118.560, 312.498
Yxy	10.8805, 0.2074, 0.0916
Android (android.graphics.Color)	4286578928 (0xFF8000F0)
YUV	65.6320, 85.9634, 54.6967
Hunter-Lab	32.9856, 75.5892, -126.5779

Details

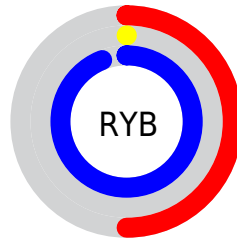
The Yxy color **10.8805, 0.2074, 0.0916** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark saturated purple. A complement of this color would be **65.7868, 0.3311, 0.5753**, and the grayscale version is **5.2554, 0.3127, 0.3290**.

A 20% lighter version of the original color is **24.3310, 0.2596, 0.1484**, and **4.3381, 0.1741, 0.0733** is the 20% darker color. If you saturate the color by 10%, you get **10.8837, 0.2074, 0.0916**, and if you desaturate by 10%, it is **12.4545, 0.2180, 0.1015**.

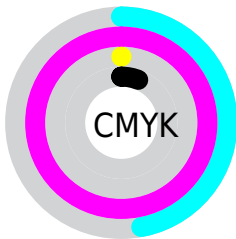
Distribution



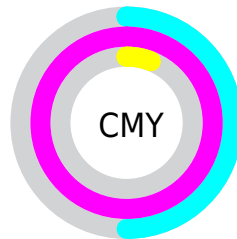
- Red (50%)
- Green (0%)
- Blue (94%)



- Red (50%)
- Yellow (0%)
- Blue (94%)



- Cyan (47%)
- Magenta (100%)
- Yellow (0%)
- Black (6%)





- Cyan (50%)
- Magenta (100%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.8805, 0.2074, 0.0916 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 10.8805, 0.2074, 0.0916 by changing the saturation by 10% instead.


 10.8805, 0.2074,
0.0916


 10.8805, 0.2074,
0.0916


196.8459, 0.2708,
0.1986


 5.9865, 0.1902,
0.0714


 27.4390, 0.2320,
0.1260


 2.8369, 0.1682,
0.0499


 39.8723, 0.2409,
0.1404


 1.0472, 0.1401,
0.0284

 55.5875, 0.2482,
0.1531

 0.0000, 0.1059,
0.0000

 74.9690, 0.2543,
0.1643

 0.0000, 0.0637,
0.0000

 98.4012, 0.2594,
0.1744

 0.0000, 0.0000,
0.0000

 126.2685, 0.2638,

0.1833

158.9552, 0.2675,
0.1914

■ 10.8805, 0.2074,
0.0916

■ 10.8805, 0.2074,
0.0916

■ 10.8837, 0.2074,
0.0916

■ 12.4545, 0.2180,
0.1015

■ 14.9317, 0.2297,
0.1165

■ 18.5712, 0.2421,
0.1368

■ 23.5257, 0.2547,
0.1615

■ 29.9239, 0.2670,
0.1892

■ 37.8786, 0.2784,
0.2185

■ 47.4910, 0.2888,
0.2480

■ 58.8535, 0.2980,
0.2767

■ 72.0518, 0.3059,
0.3038

Harmonies

Analogous

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



10.8805, 0.0917, 0.0710



10.8805, 0.2074, 0.0916



10.8805, 0.4433, 0.1457

Triad

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



10.8805, 0.2074, 0.0916



10.8805, 0.5907, 0.4093



10.8805, 0.0387, 0.2982

Complementary

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



10.8805, 0.2074, 0.0916



65.7868, 0.3311, 0.5753

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.



10.8805, 0.0985, 0.7110



10.8805, 0.2074, 0.0916



10.8805, 0.4033, 0.5967

Square

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



10.8805, 0.2074, 0.0916



10.8805, 0.7079, 0.2921



10.8805, 0.2180, 0.7820



10.8805, 0.0302, 0.1248

Rectangle

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



10.8805, 0.2074, 0.0916



10.8805, 0.6236, 0.1959



10.8805, 0.2180, 0.7820



10.8805, 0.0507, 0.4172

Sweetspot

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



10.8837, 0.2074, 0.0916



54.3666, 0.2887, 0.2477



18.7880, 0.1749, 0.1495



10.5888, 0.2845, 0.2352



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.



10.8837, 0.2074, 0.0916



12.4539, 0.2071, 0.0915



24.5895, 0.3252, 0.1565



15.6438, 0.3063, 0.3052



6.0360, 0.2090, 0.0925



0.5613, 0.2228, 0.1001

Inverse Universe

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



19.7017, 0.5138, 0.2604



22.5920, 0.5145, 0.2608



62.3495, 0.2998, 0.5992



15.8816, 0.3220, 0.3180



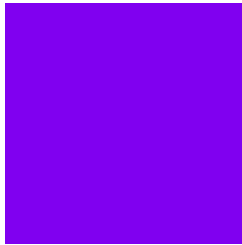
10.8078, 0.5099, 0.2583



0.9190, 0.4786, 0.2410

Previews

White Background



This preview shows how the Yxy color 10.8805, 0.2074, 0.0916 looks on a white background.

Color Contrast Check

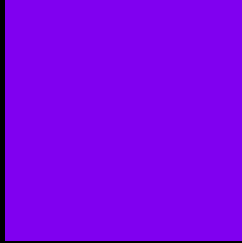
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.8805, 0.2074, 0.0916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

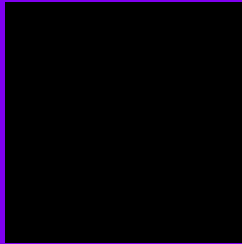
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.8805, 0.2074, 0.0916

Background



This preview shows how black text looks on a background with the Yxy color 10.8805, 0.2074, 0.0916.



This preview shows how white text looks on a background with the Yxy color 10.8805, 0.2074, 0.0916.

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

10.8805, 0.2074, 0.0916

Protanopia

11.2438, 0.1749, 0.1496

Deuteranopia

11.2297, 0.1863, 0.1906



Tritanopia

11.2721, 0.3014, 0.3127

Trichromacy



Original Color

10.8805, 0.2074, 0.0916

Protanomaly

8.2339, 0.1698, 0.0985

Deuteranomaly

7.8554, 0.1748, 0.1106

Tritanomaly

8.5629, 0.2522, 0.1633

Monochromacy



Original Color

10.8805, 0.2074, 0.0916

Achromatopsia

5.4480, 0.3127, 0.3290

Achromatomaly

5.3648, 0.2502, 0.1507

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.8805, 0.2074, 0.0916 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(128, 0, 240)` looks like.

```
.text, #text, p{  
    color:rgb(128, 0, 240)  
}
```

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(128, 0, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 0, 240) }
```

Border

The CSS property to change the border of an element to Yxy 10.8805, 0.2074, 0.0916 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(128, 0, 240) }
```

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

```
.border{ border-color:rgb(128, 0, 240) }
```

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

Here you see how a box with a 4 pixel rgb(128, 0, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 0, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 0, 240);  
box-shadow:4px 4px 4px 4px rgb(128, 0,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 10.8805, 0.2074, 0.0916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 0, 240) }
```

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

```
.background{ background-color: rgb(128, 0,  
240) }
```

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