

Converting Colors

$Yxy(11.8645, 0.2024, 0.0896)$

Have a look what the booklet for
Yxy(11.8645, 0.2024, 0.0896)
contains.

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Color

Yxy(11.8892, 0.2026, 0.0897)

Conversions

Conversions Part 1

Format	Color
Hex	8106FD
RGB	129, 6, 253
RGB Percent	51%, 2%, 99%
CMY	0.4939, 0.9772, 0.0079
CMYK	0.49, 0.98, 0.00, 0.01
HSL	270°, 98%, 51%
HSV	270°, 98%, 99%
XYZ	26.8534, 11.8892, 93.8014
YIQ	70.9350, -5.9790, 102.8930

Conversions

Conversions Part 2

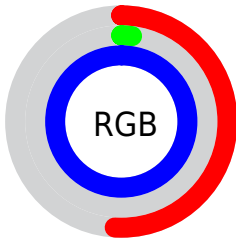
Format	Color
RYB	129, 6, 253
Decimal	8455933
CIELab	41.04, 82.23, -91.96
CIELCh	41, 123.361, 311.802
Yxy	11.8892, 0.2026, 0.0897
Android (android.graphics.Color)	4286646013 (0xFF8106FD)
YUV	70.9350, 89.7580, 50.9230
Hunter-Lab	34.4807, 78.6737, -137.1561

Details

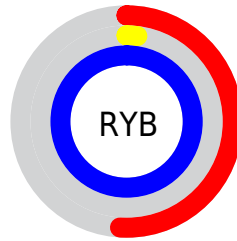
The Yxy color **11.8892, 0.2026, 0.0897** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark saturated purple. A complement of this color would be **74.9835, 0.3368, 0.5697**, and the grayscale version is **6.1200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.0545, 0.2616, 0.1514**, and **4.8397, 0.1696, 0.0708** is the 20% darker color. If you saturate the color by 10%, you get **11.5385, 0.2002, 0.0876**, and if you desaturate by 10%, it is **13.8053, 0.2138, 0.1006**.

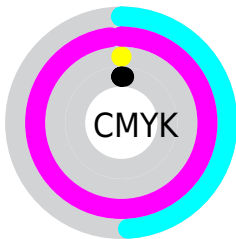
Distribution



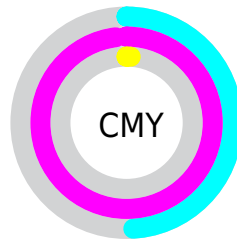
- Red (51%)
- Green (2%)
- Blue (99%)



- Red (51%)
- Yellow (2%)
- Blue (99%)



- Cyan (49%)
- Magenta (98%)
- Yellow (0%)
- Black (1%)





- Cyan (49%)
- Magenta (98%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8892, 0.2026, 0.0897 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 11.8892, 0.2026, 0.0897 by changing the saturation by 10% instead.


 11.8892, 0.2026,
0.0897


 11.8892, 0.2026,
0.0897


203.6704, 0.2674,
0.1951

 6.6683, 0.1856,
0.0703


 29.2931, 0.2272,
0.1231


 3.2555, 0.1643,
0.0497


 42.2450, 0.2363,
0.1372

 1.2665, 0.1374,
0.0291


 58.5425, 0.2438,
0.1497

 0.1151, 0.1051,
0.0042

 78.5702, 0.2501,
0.1609

 0.0000, 0.0660,
0.0000

 102.7125, 0.2554,
0.1708

 0.0000, 0.0014,
0.0000

 131.3536, 0.2600,

 0.0000, 0.0000,

0.1798

0.0000

164.8782, 0.2639,
0.1878

■ 11.8892, 0.2026,
0.0897

■ 11.8892, 0.2026,
0.0897

■ 11.5385, 0.2002,
0.0876

■ 13.8053, 0.2138,
0.1006

■ 16.8715, 0.2263,
0.1172

■ 21.3095, 0.2396,
0.1392

■ 27.2867, 0.2530,
0.1653

■ 34.9458, 0.2661,
0.1942

■ 44.4124, 0.2782,
0.2242

■ 55.8001, 0.2891,
0.2540

■ 69.2126, 0.2988,
0.2828

■ 84.7463, 0.3071,
0.3097

Harmonies

Analogous

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



11.8892, 0.0890, 0.0699



11.8892, 0.2026, 0.0897



11.8892, 0.4375, 0.1429

Triad

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



11.8892, 0.2026, 0.0897



11.8892, 0.5953, 0.4047



11.8892, 0.0381, 0.3044

Complementary

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



11.8892, 0.2026, 0.0897



74.9835, 0.3368, 0.5697

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.



11.8892, 0.0986, 0.7240



11.8892, 0.2026, 0.0897



11.8892, 0.4072, 0.5928

Square

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



11.8892, 0.2026, 0.0897



11.8892, 0.7115, 0.2885



11.8892, 0.2189, 0.7811



11.8892, 0.0292, 0.1254

Rectangle

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



11.8892, 0.2026, 0.0897



11.8892, 0.6208, 0.1930



11.8892, 0.2189, 0.7811



11.8892, 0.0503, 0.4272

Sweetspot

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



11.8895, 0.2026, 0.0897



55.1818, 0.2878, 0.2502



24.0464, 0.1793, 0.1642



10.7237, 0.2832, 0.2375



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.



11.8895, 0.2026, 0.0897



11.7438, 0.2001, 0.0876



27.3338, 0.3168, 0.1524



17.8226, 0.3057, 0.3050



6.2251, 0.2018, 0.0885



0.6710, 0.2141, 0.0953

Inverse Universe

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



22.6119, 0.4941, 0.2506



22.8145, 0.4995, 0.2526



70.3226, 0.3003, 0.5986



18.1390, 0.3215, 0.3171



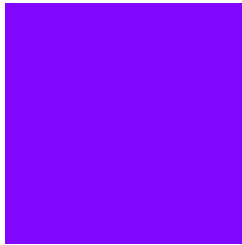
11.9512, 0.4959, 0.2505



1.1857, 0.4705, 0.2366

Previews

White Background



This preview shows how the Yxy color 11.8892, 0.2026, 0.0897 looks on a white background.

Color Contrast Check

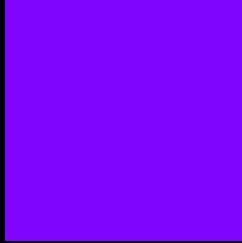
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.8892, 0.2026, 0.0897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

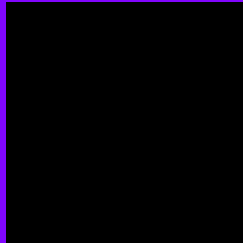
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8892, 0.2026, 0.0897

Background



This preview shows how black text looks on a background with the Yxy color 11.8892, 0.2026, 0.0897.



This preview shows how white text looks on a background with the Yxy color 11.8892, 0.2026, 0.0897.

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

11.8892, 0.2026, 0.0897

Protanopia

12.0826, 0.1746, 0.1486

Deuteranopia

11.9789, 0.1862, 0.1904



Tritanopia

12.0881, 0.2893, 0.3128

Trichromacy



Original Color

11.8892, 0.2026, 0.0897



Protanomaly

9.1115, 0.1691, 0.0991



Deuteranomaly

8.6709, 0.1741, 0.1114



Tritanomaly

9.2269, 0.2434, 0.1621

Monochromacy



Original Color

11.8892, 0.2026, 0.0897



Achromatopsia

6.3010, 0.3127, 0.3290



Achromatomaly

6.1145, 0.2463, 0.1514

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8892, 0.2026, 0.0897 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(129, 6, 253)` looks like.

```
.text, #text, p{  
    color:rgb(129, 6, 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(129, 6, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 6, 253) }
```

Border

The CSS property to change the border of an element to Yxy 11.8892, 0.2026, 0.0897 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(129, 6, 253) }
```

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

```
.border{ border-color:rgb(129, 6, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 6, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 6, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 6, 253);  
box-shadow:4px 4px 4px 4px rgb(129, 6,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8892, 0.2026, 0.0897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 6, 253) }
```

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

```
.background{ background-color: rgb(129, 6,  
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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