

Converting Colors

$Yxy(11.9854, 0.2026, 0.0890)$

Have a look what the booklet for
Yxy(11.9854, 0.2026, 0.0890)
contains.

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Color

Yxy(11.9658, 0.2023, 0.0888)

Conversions

Conversions Part 1

Format	Color
Hex	8200FF
RGB	130, 0, 255
RGB Percent	51%, 0%, 100%
CMY	0.4903, 1.0000, 0.0000
CMYK	0.49, 1.00, 0.00, 0.00
HSL	271°, 100%, 50%
HSV	271°, 100%, 100%
XYZ	27.2599, 11.9658, 95.5243
YIQ	67.9400, -4.3750, 106.8650

Conversions

Conversions Part 2

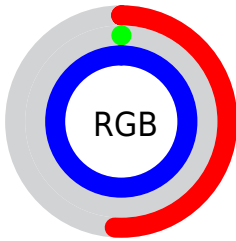
Format	Color
RYB	130, 0, 255
Decimal	8519935
CIELab	41.16, 83.35, -92.91
CIELCh	41, 124.814, 311.896
Yxy	11.9658, 0.2023, 0.0888
Android (android.graphics.Color)	4286710015 (0xFF8200FF)
YUV	67.9400, 92.2206, 54.4266
Hunter-Lab	34.5916, 80.1316, -139.5144

Details

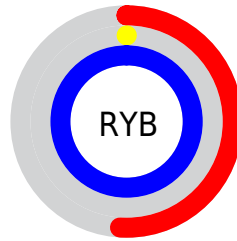
The Yxy color **11.9658, 0.2023, 0.0888** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark saturated purple. A complement of this color would be **75.8813, 0.3339, 0.5730**, and the grayscale version is **5.6203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **24.8758, 0.2624, 0.1504**, and **4.9308, 0.1691, 0.0705** is the 20% darker color. If you saturate the color by 10%, you get **11.9644, 0.2023, 0.0888**, and if you desaturate by 10%, it is **13.7305, 0.2132, 0.0987**.

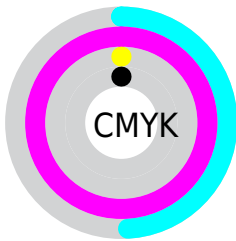
Distribution



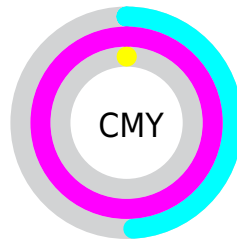
- Red (51%)
- Green (0%)
- Blue (100%)



- Red (51%)
- Yellow (0%)
- Blue (100%)



- Cyan (49%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (49%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.9658, 0.2023, 0.0888 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 11.9658, 0.2023, 0.0888 by changing the saturation by 10% instead.


 11.9658, 0.2023,
0.0888


 11.9658, 0.2023,
0.0888


204.1787, 0.2671,
0.1941

 6.7204, 0.1854,
0.0696


 29.4328, 0.2269,
0.1221


 3.2879, 0.1641,
0.0491


 42.4232, 0.2360,
0.1361

 1.2838, 0.1374,
0.0288


 58.7640, 0.2435,
0.1486

 0.1286, 0.1053,
0.0046

 78.8397, 0.2498,
0.1598

 0.0000, 0.0666,
0.0000

 103.0346, 0.2551,
0.1697

 0.0000, 0.0056,
0.0000

 131.7332, 0.2597,

 0.0000, 0.0000,

0.1787

0.0000

165.3197, 0.2637,
0.1868

■ 11.9658, 0.2023,
0.0888

■ 11.9658, 0.2023,
0.0888

■ 11.9644, 0.2023,
0.0888

■ 13.7305, 0.2132,
0.0987

■ 16.5548, 0.2253,
0.1139

■ 20.7268, 0.2382,
0.1345

■ 26.4248, 0.2514,
0.1596

■ 33.7989, 0.2643,
0.1878

■ 42.9806, 0.2764,
0.2175

■ 54.0878, 0.2874,
0.2474

■ 67.2281, 0.2971,
0.2763

■ 82.5013, 0.3055,
0.3037

Harmonies

Analogous

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



11.9658, 0.0883, 0.0689



11.9658, 0.2023, 0.0888



11.9658, 0.4392, 0.1421

Triad

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



11.9658, 0.2023, 0.0888



11.9658, 0.5957, 0.4043



11.9658, 0.0369, 0.3025

Complementary

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



11.9658, 0.2023, 0.0888



75.8813, 0.3339, 0.5730

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.



11.9658, 0.0963, 0.7271



11.9658, 0.2023, 0.0888



11.9658, 0.4057, 0.5943

Square

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



11.9658, 0.2023, 0.0888



11.9658, 0.7128, 0.2872



11.9658, 0.2159, 0.7841



11.9658, 0.0284, 0.1238

Rectangle

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



11.9658, 0.2023, 0.0888



11.9658, 0.6240, 0.1921



11.9658, 0.2159, 0.7841



11.9658, 0.0488, 0.4263

Sweetspot

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



11.9644, 0.2023, 0.0888



54.0878, 0.2874, 0.2474



22.5282, 0.1763, 0.1545



10.5229, 0.2829, 0.2348



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.



11.9644, 0.2023, 0.0888



28.4800, 0.3209, 0.1542



17.8329, 0.3059, 0.3050



6.3408, 0.2040, 0.0897



0.6824, 0.2161, 0.0964

Inverse Universe

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



22.7411, 0.5043, 0.2552



71.5200, 0.3000, 0.6000



18.1355, 0.3217, 0.3174



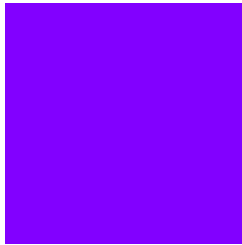
11.9127, 0.5006, 0.2531



1.1819, 0.4746, 0.2388

Previews

White Background



This preview shows how the Yxy color 11.9658, 0.2023, 0.0888 looks on a white background.

Color Contrast Check

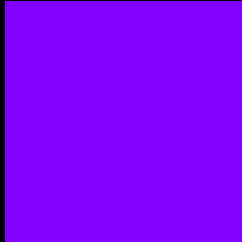
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.9658, 0.2023, 0.0888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

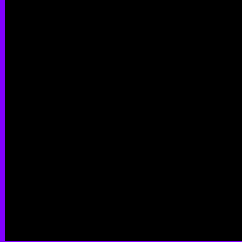
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.9658, 0.2023, 0.0888

Background



This preview shows how black text looks on a background with the Yxy color 11.9658, 0.2023, 0.0888.



This preview shows how white text looks on a background with the Yxy color 11.9658, 0.2023, 0.0888.

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

11.9658, 0.2023, 0.0888

Protanopia

12.3079, 0.1749, 0.1494

Deuteranopia

12.2096, 0.1864, 0.1911



Tritanopia

12.1589, 0.2895, 0.3106

Trichromacy



Original Color

11.9658, 0.2023, 0.0888



Protanomaly

8.9505, 0.1685, 0.0968



Deuteranomaly

8.4882, 0.1732, 0.1085



Tritanomaly

9.1315, 0.2424, 0.1577

Monochromacy



Original Color

11.9658, 0.2023, 0.0888



Achromatopsia

5.7805, 0.3127, 0.3290



Achromatomaly

5.7295, 0.2452, 0.1460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.9658, 0.2023, 0.0888 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(130, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(130, 0, 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(130, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 0, 255) }
```

Border

The CSS property to change the border of an element to Yxy 11.9658, 0.2023, 0.0888 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(130, 0, 255) }
```

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

```
.border{ border-color:rgb(130, 0, 255) }
```

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

Here you see how a box with a 4 pixel rgb(130, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(130, 0,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 11.9658, 0.2023, 0.0888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 0, 255) }
```

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

```
.background{ background-color: rgb(130, 0,  
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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