

Converting Colors

$Yxy(12.1207, 0.2038, 0.0897)$

Have a look what the booklet for
Yxy(12.1207, 0.2038, 0.0897)
contains.

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Color

Yxy(12.1472, 0.2039, 0.0898)

Conversions

Conversions Part 1

Format	Color
Hex	8401FF
RGB	132, 1, 255
RGB Percent	52%, 0%, 100%
CMY	0.4824, 0.9965, 0.0000
CMYK	0.48, 1.00, 0.00, 0.00
HSL	271°, 100%, 50%
HSV	271°, 100%, 100%
XYZ	27.5814, 12.1472, 95.5408
YIQ	69.1250, -3.4580, 106.7660

Conversions

Conversions Part 2

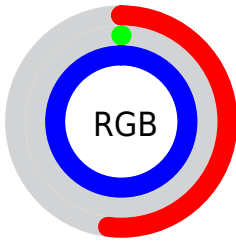
Format	Color
R _Y B	132, 1, 255
Decimal	8651263
CIE Lab	41.45, 83.40, -92.42
CIE LCh	41, 124.489, 312.063
Yxy	12.1472, 0.2039, 0.0898
Android (android.graphics.Color)	4286841343 (0xFF8401FF)
YUV	69.1250, 91.6364, 55.1414
Hunter-Lab	34.8528, 80.2669, -138.1326

Details

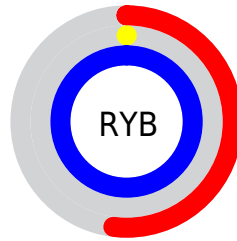
The Yxy color **12.1472, 0.2039, 0.0898** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark saturated purple. A complement of this color would be **75.7994, 0.3333, 0.5734**, and the grayscale version is **5.8098, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.2964, 0.2642, 0.1520**, and **5.0233, 0.1710, 0.0716** is the 20% darker color. If you saturate the color by 10%, you get **12.0903, 0.2036, 0.0895**, and if you desaturate by 10%, it is **13.9358, 0.2148, 0.0998**.

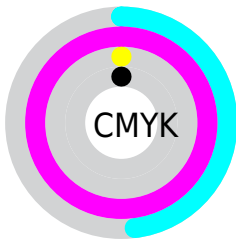
Distribution



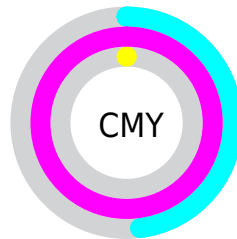
- Red (52%)
- Green (0%)
- Blue (100%)



- Red (52%)
- Yellow (0%)
- Blue (100%)



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1472, 0.2039, 0.0898 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 12.1472, 0.2039, 0.0898 by changing the saturation by 10% instead.


 12.1472, 0.2039,
0.0898


 12.1472, 0.2039,
0.0898


205.3774, 0.2679,
0.1947


 6.8440, 0.1871,
0.0706


 29.7629, 0.2282,
0.1230

 3.3647, 0.1661,
0.0501


 42.8442, 0.2371,
0.1370

 1.3250, 0.1396,
0.0296


 59.2870, 0.2446,
0.1494

 0.1604, 0.1075,
0.0057

 79.4757, 0.2508,
0.1606

 0.0000, 0.0687,
0.0000

 103.7947, 0.2560,
0.1705

 0.0000, 0.0090,
0.0000

 132.6284, 0.2606,

 0.0000, 0.0000,

0.1794

0.0000

166.3612, 0.2645,
0.1874

■ 12.1472, 0.2039,
0.0898

■ 12.1472, 0.2039,
0.0898

■ 12.0903, 0.2036,
0.0895

■ 13.9358, 0.2148,
0.0998

■ 16.8021, 0.2268,
0.1151

■ 21.0201, 0.2396,
0.1358

■ 26.7668, 0.2527,
0.1609

■ 34.1913, 0.2654,
0.1890

■ 43.4244, 0.2773,
0.2187

■ 54.5836, 0.2881,
0.2485

■ 67.7759, 0.2976,
0.2774

■ 83.1008, 0.3059,
0.3046

Harmonies

Analogous

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



12.1472, 0.0894, 0.0697



12.1472, 0.2039, 0.0898



12.1472, 0.4401, 0.1433

Triad

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



12.1472, 0.2039, 0.0898



12.1472, 0.5941, 0.4059



12.1472, 0.0376, 0.3015

Complementary

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



12.1472, 0.2039, 0.0898



75.7994, 0.3333, 0.5734

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.



12.1472, 0.0974, 0.7217



12.1472, 0.2039, 0.0898



12.1472, 0.4052, 0.5948

Square

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



12.1472, 0.2039, 0.0898



12.1472, 0.7111, 0.2889



12.1472, 0.2171, 0.7829



12.1472, 0.0291, 0.1244

Rectangle

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



12.1472, 0.2039, 0.0898



12.1472, 0.6233, 0.1934



12.1472, 0.2171, 0.7829



12.1472, 0.0496, 0.4236

Sweetspot

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



12.1442, 0.2039, 0.0898



54.1607, 0.2877, 0.2474



22.6497, 0.1765, 0.1551



10.5401, 0.2833, 0.2349



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.



12.1442, 0.2039, 0.0898



12.0903, 0.2036, 0.0895



28.4993, 0.3209, 0.1542



17.8386, 0.3060, 0.3050



6.4068, 0.2052, 0.0904



0.6889, 0.2173, 0.0971

Inverse Universe

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



22.7319, 0.5062, 0.2564



22.7011, 0.5070, 0.2567



71.5277, 0.3000, 0.5998



18.1336, 0.3218, 0.3175



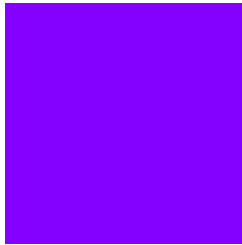
11.8917, 0.5032, 0.2546



1.1798, 0.4769, 0.2401

Previews

White Background



This preview shows how the Yxy color 12.1472, 0.2039, 0.0898 looks on a white background.

Color Contrast Check

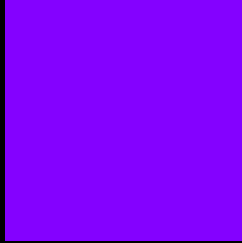
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.1472, 0.2039, 0.0898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

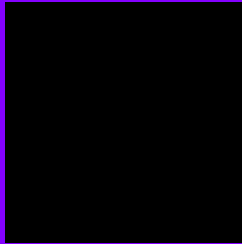
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 12.1472, 0.2039, 0.0898

Background



This preview shows how black text looks on a background with the Yxy color 12.1472, 0.2039, 0.0898.



This preview shows how white text looks on a background with the Yxy color 12.1472, 0.2039, 0.0898.

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

12.1472, 0.2039, 0.0898

Protanopia

12.4015, 0.1744, 0.1478

Deuteranopia

12.4813, 0.1863, 0.1906



Tritanopia

12.3124, 0.2936, 0.3108

Trichromacy



Original Color

12.1472, 0.2039, 0.0898



Protanomaly

9.1863, 0.1687, 0.0972



Deuteranomaly

8.6732, 0.1737, 0.1094



Tritanomaly

9.2540, 0.2449, 0.1588

Monochromacy



Original Color

12.1472, 0.2039, 0.0898



Achromatopsia

5.9511, 0.3127, 0.3290



Achromatomaly

5.8828, 0.2458, 0.1471

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1472, 0.2039, 0.0898 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, 1, 255)` looks like.

```
.text, #text, p{  
    color:rgb(132, 1, 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(132, 1, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 1, 255) }
```

Border

The CSS property to change the border of an element to Yxy 12.1472, 0.2039, 0.0898 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, 1, 255) }
```

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

```
.border{ border-color:rgb(132, 1, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 1, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 1, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 1, 255);  
box-shadow:4px 4px 4px 4px rgb(132, 1,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1472, 0.2039, 0.0898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 1, 255) }
```

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

```
.background{ background-color: rgb(132, 1,  
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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