

Converting Colors

$Yxy(13.1799, 0.2087, 0.0966)$

Have a look what the booklet for
Yxy(13.1799, 0.2087, 0.0966)
contains.

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Color

Yxy(13.1739, 0.2084, 0.0966)

Conversions

Conversions Part 1

Format	Color
Hex	881BFE
RGB	136, 27, 254
RGB Percent	53%, 11%, 100%
CMY	0.4670, 0.8934, 0.0041
CMYK	0.46, 0.89, 0.00, 0.00
HSL	269°, 99%, 55%
HSV	269°, 89%, 100%
XYZ	28.4207, 13.1739, 94.7812
YIQ	85.4690, -7.9030, 93.7050

Conversions

Conversions Part 2

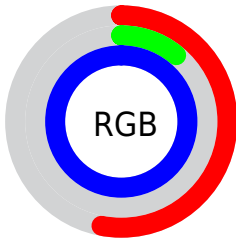
Format	Color
RYB	136, 27, 254
Decimal	8920062
CIELab	43.02, 79.94, -89.20
CIELCh	43, 119.775, 311.866
Yxy	13.1739, 0.2084, 0.0966
Android (android.graphics.Color)	4287110142 (0xFF881BFE)
YUV	85.4690, 83.0858, 44.3157
Hunter-Lab	36.2959, 76.2529, -129.4198

Details

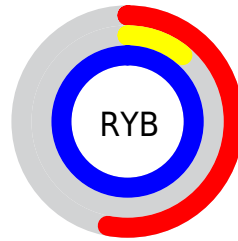
The Yxy color **13.1739, 0.2084, 0.0966** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle washed purple. A complement of this color would be **76.9819, 0.3437, 0.5589**, and the grayscale version is **9.0305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.1908, 0.2675, 0.1598**, and **5.2145, 0.1760, 0.0743** is the 20% darker color. If you saturate the color by 10%, you get **11.3819, 0.1972, 0.0862**, and if you desaturate by 10%, it is **16.0654, 0.2210, 0.1125**.

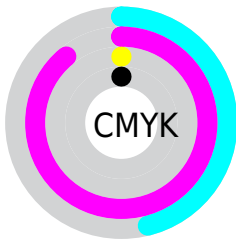
Distribution



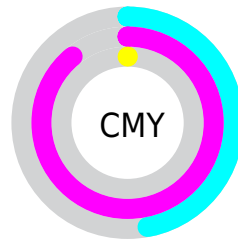
- Red (53%)
- Green (11%)
- Blue (100%)



- Red (53%)
- Yellow (11%)
- Blue (100%)



- Cyan (46%)
- Magenta (89%)
- Yellow (0%)
- Black (0%)





- Cyan (47%)
- Magenta (89%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.1739, 0.2084, 0.0966 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 13.1739, 0.2084, 0.0966 by changing the saturation by 10% instead.


 13.1739, 0.2084,
0.0966

 13.1739, 0.2084,
0.0966


212.0292, 0.2695,
0.1995


 7.5484, 0.1923,
0.0773


 31.6159, 0.2317,
0.1295


 3.8074, 0.1719,
0.0563


 45.2011, 0.2402,
0.1433

 1.5664, 0.1461,
0.0349


 62.2084, 0.2473,
0.1554

 0.3348, 0.1142,
0.0118

 83.0221, 0.2532,
0.1663

 0.0000, 0.0754,
0.0000

 108.0266, 0.2582,
0.1760

 0.0000, 0.0178,
0.0000

 137.6064, 0.2626,

 0.0000, 0.0000,

0.1846

0.0000

172.1458, 0.2663,
0.1924

■ 13.1739, 0.2084,
0.0966

■ 13.1739, 0.2084,
0.0966

■ 11.3819, 0.1972,
0.0862

■ 16.0654, 0.2210,
0.1125

■ 11.2747, 0.1965,
0.0856

■ 20.3195, 0.2346,
0.1340

■ 26.1113, 0.2485,
0.1599

■ 33.5886, 0.2620,
0.1887

■ 42.8812, 0.2748,
0.2189

■ 54.1057, 0.2864,
0.2491

■ 67.3688, 0.2967,
0.2782

■ 82.7691, 0.3056,
0.3055

■ 99.9142, 0.3132,
0.3300

Harmonies

Analogous

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



13.1739, 0.0957, 0.0763



13.1739, 0.2084, 0.0966



13.1739, 0.4328, 0.1502

Triad

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



13.1739, 0.2084, 0.0966



13.1739, 0.5889, 0.4111



13.1739, 0.0461, 0.3091

Complementary

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



13.1739, 0.2084, 0.0966



76.9819, 0.3437, 0.5589

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.



13.1739, 0.1116, 0.6957



13.1739, 0.2084, 0.0966



13.1739, 0.4119, 0.5881

Square

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



13.1739, 0.2084, 0.0966



13.1739, 0.7007, 0.2993



13.1739, 0.2346, 0.7654



13.1739, 0.0349, 0.1341

Rectangle

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



13.1739, 0.2084, 0.0966



13.1739, 0.6056, 0.2004



13.1739, 0.2346, 0.7654



13.1739, 0.0598, 0.4237

Sweetspot

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



13.1742, 0.2084, 0.0966



57.4864, 0.2889, 0.2559



28.6118, 0.1864, 0.1842



11.3936, 0.2852, 0.2457



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.



13.1742, 0.2084, 0.0966



11.3774, 0.1965, 0.0856



27.6124, 0.3133, 0.1533



17.8050, 0.3054, 0.3050



6.0327, 0.1982, 0.0865



0.6520, 0.2105, 0.0934

Inverse Universe

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



23.9082, 0.4669, 0.2407



22.9460, 0.4913, 0.2480



71.2944, 0.3014, 0.5916



18.1450, 0.3212, 0.3167



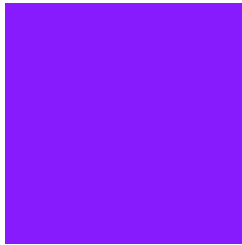
12.0202, 0.4877, 0.2460



1.1925, 0.4635, 0.2327

Previews

White Background



This preview shows how the Yxy color 13.1739, 0.2084, 0.0966 looks on a white background.

Color Contrast Check

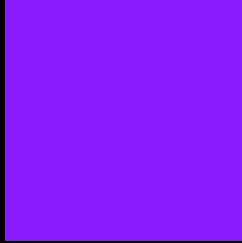
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.1739, 0.2084, 0.0966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

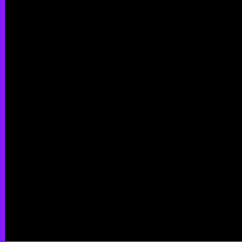
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1739, 0.2084, 0.0966

Background



This preview shows how black text looks on a background with the Yxy color 13.1739, 0.2084, 0.0966.



This preview shows how white text looks on a background with the Yxy color 13.1739, 0.2084, 0.0966.

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

13.1739, 0.2084, 0.0966

Protanopia

13.1916, 0.1746, 0.1485

Deuteranopia

13.2775, 0.1862, 0.1904



Tritanopia

13.0641, 0.2994, 0.3114

Trichromacy



Original Color

13.1739, 0.2084, 0.0966



Protanomaly

10.6154, 0.1716, 0.1078



Deuteranomaly

10.3685, 0.1773, 0.1230



Tritanomaly

10.9509, 0.2522, 0.1764

Monochromacy



Original Color

13.1739, 0.2084, 0.0966



Achromatopsia

9.3059, 0.3127, 0.3290



Achromatomaly

8.8302, 0.2556, 0.1755

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1739, 0.2084, 0.0966 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(136, 27, 254)` looks like.

```
.text, #text, p{  
    color:rgb(136, 27, 254)  
}
```

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(136, 27, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 27, 254) }
```

Border

The CSS property to change the border of an element to Yxy 13.1739, 0.2084, 0.0966 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(136, 27, 254) }
```

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

```
.border{ border-color:rgb(136, 27, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 27, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 27, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 27, 254);  
box-shadow:4px 4px 4px 4px rgb(136, 27,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1739, 0.2084, 0.0966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 27, 254) }
```

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

```
.background{ background-color: rgb(136, 27,  
254) }
```

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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