

Converting Colors

$Y_{xy}(13.5259, 0.2055, 0.0984)$

Have a look what the booklet for
Yxy(13.5259, 0.2055, 0.0984)
contains.

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Color

$\text{Yxy}(13.5118, 0.2055, 0.0983)$

Conversions

Conversions Part 1

Format	Color
Hex	8426FF
RGB	132, 38, 255
RGB Percent	52%, 15%, 100%
CMY	0.4826, 0.8505, 0.0001
CMYK	0.48, 0.85, 0.00, 0.00
HSL	266°, 100%, 57%
HSV	266°, 85%, 100%
XYZ	28.2469, 13.5118, 95.6960
YIQ	90.8440, -13.6330, 87.4150

Conversions

Conversions Part 2

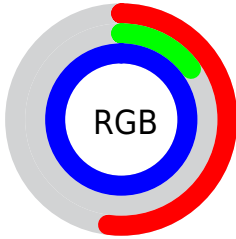
Format	Color
R _Y B	132, 38, 255
Decimal	8660735
CIE Lab	43.52, 77.10, -88.95
CIE LCh	44, 117.710, 310.918
Yxy	13.5118, 0.2055, 0.0983
Android (android.graphics.Color)	4286850815 (0xFF8426FF)
YUV	90.8440, 80.9289, 36.0938
Hunter-Lab	36.7584, 72.8409, -128.6234

Details

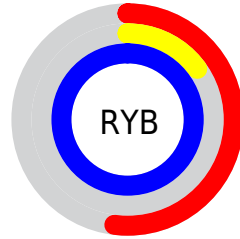
The Yxy color **13.5118, 0.2055, 0.0983** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **79.2284, 0.3517, 0.5483**, and the grayscale version is **10.2515, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.7458, 0.2643, 0.1629**, and **5.0880, 0.1723, 0.0723** is the 20% darker color. If you saturate the color by 10%, you get **11.3110, 0.1934, 0.0855**, and if you desaturate by 10%, it is **16.9890, 0.2193, 0.1172**.

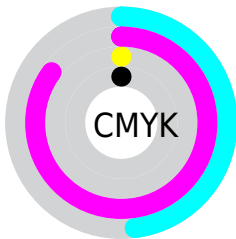
Distribution



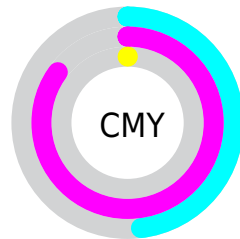
- Red (52%)
- Green (15%)
- Blue (100%)



- Red (52%)
- Yellow (15%)
- Blue (100%)



- Cyan (48%)
- Magenta (85%)
- Yellow (0%)
- Black (0%)





- Cyan (48%)
- Magenta (85%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5118, 0.2055, 0.0983 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 13.5118, 0.2055, 0.0983 by changing the saturation by 10% instead.


 13.5118, 0.2055,
0.0983


 13.5118, 0.2055,
0.0983

 214.1722, 0.2677,
0.2007


 7.7819, 0.1893,
0.0790


 32.2202, 0.2290,
0.1311


 3.9557, 0.1688,
0.0580


 45.9676, 0.2377,
0.1448


 1.6488, 0.1430,
0.0363


 63.1562, 0.2449,
0.1569

 0.3902, 0.1112,
0.0136

 84.1705, 0.2510,
0.1677

 0.0000, 0.0730,
0.0000

 109.3948, 0.2561,
0.1773

 0.0000, 0.0157,
0.0000

 139.2136, 0.2605,

 0.0000, 0.0000,

0.1859

0.0000

174.0113, 0.2643,
0.1937

■ 13.5118, 0.2055,
0.0983

■ 13.5118, 0.2055,
0.0983

■ 11.3110, 0.1934,
0.0855

■ 16.9890, 0.2193,
0.1172

■ 10.5534, 0.1880,
0.0809

■ 21.9438, 0.2340,
0.1414

■ 28.5415, 0.2489,
0.1696

■ 36.9241, 0.2633,
0.1999

■ 47.2178, 0.2767,
0.2309

■ 59.5371, 0.2888,
0.2612

■ 73.9871, 0.2994,
0.2899

■ 90.6657, 0.3086,
0.3165

■ 99.9977, 0.3127,
0.3290

Harmonies

Analogous

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



13.5118, 0.0962, 0.0788



13.5118, 0.2055, 0.0983



13.5118, 0.4223, 0.1508

Triad

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



13.5118, 0.2055, 0.0983



13.5118, 0.5911, 0.4089



13.5118, 0.0505, 0.3204

Complementary

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



13.5118, 0.2055, 0.0983



79.2284, 0.3517, 0.5483

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.



13.5118, 0.1201, 0.6951



13.5118, 0.2055, 0.0983



13.5118, 0.4198, 0.5802

Square

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



13.5118, 0.2055, 0.0983



13.5118, 0.6989, 0.3011



13.5118, 0.2455, 0.7545



13.5118, 0.0373, 0.1406

Rectangle

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



13.5118, 0.2055, 0.0983



13.5118, 0.5924, 0.2008



13.5118, 0.2455, 0.7545



13.5118, 0.0655, 0.4347

Sweetspot

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



13.5121, 0.2055, 0.0983



58.2975, 0.2877, 0.2584



34.4014, 0.1940, 0.2070



11.5287, 0.2836, 0.2480



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.



13.5121, 0.2055, 0.0983



10.5567, 0.1880, 0.0809



26.5972, 0.3028, 0.1502



17.7621, 0.3047, 0.3049



5.6004, 0.1897, 0.0819



0.6084, 0.2023, 0.0888

Inverse Universe

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



25.2245, 0.4409, 0.2300



23.2939, 0.4711, 0.2369



72.4836, 0.3042, 0.5842



18.1598, 0.3205, 0.3156



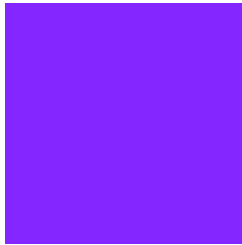
12.2021, 0.4680, 0.2352



1.2100, 0.4465, 0.2234

Previews

White Background



This preview shows how the Yxy color 13.5118, 0.2055, 0.0983 looks on a white background.

Color Contrast Check

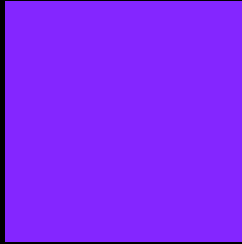
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.5118, 0.2055, 0.0983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

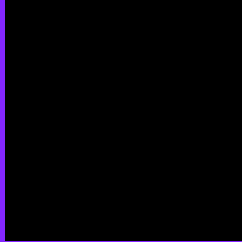
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.5118, 0.2055, 0.0983

Background



This preview shows how black text looks on a background with the Yxy color 13.5118, 0.2055, 0.0983.



This preview shows how white text looks on a background with the Yxy color 13.5118, 0.2055, 0.0983.

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

13.5118, 0.2055, 0.0983

Protanopia

13.4777, 0.1746, 0.1485

Deuteranopia

13.5627, 0.1861, 0.1899



Tritanopia

13.4502, 0.2891, 0.3113

Trichromacy



Original Color

13.5118, 0.2055, 0.0983



Protanomaly

11.3724, 0.1723, 0.1122



Deuteranomaly

11.0182, 0.1777, 0.1270



Tritanomaly

11.6058, 0.2466, 0.1816

Monochromacy



Original Color

13.5118, 0.2055, 0.0983



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

9.9333, 0.2553, 0.1831

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5118, 0.2055, 0.0983 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, 38, 255)` looks like.

```
.text, #text, p{  
    color:rgb(132, 38, 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, 38, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 38, 255) }
```

Border

The CSS property to change the border of an element to Yxy 13.5118, 0.2055, 0.0983 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, 38, 255) }
```

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

```
.border{ border-color:rgb(132, 38, 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, 38, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 38, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 38, 255);  
box-shadow:4px 4px 4px 4px rgb(132, 38,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5118, 0.2055, 0.0983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 38, 255) }
```

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

```
.background{ background-color: rgb(132, 38,  
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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