

Converting Colors

$Y_{xy}(13.5633, 0.2089, 0.1021)$

Have a look what the booklet for
Yxy(13.5633, 0.2089, 0.1021)
contains.

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Color

Yxy(13.5446, 0.2089, 0.1019)

Conversions

Conversions Part 1

Format	Color
Hex	852AFA
RGB	133, 42, 250
RGB Percent	52%, 16%, 98%
CMY	0.4781, 0.8357, 0.0195
CMYK	0.47, 0.83, 0.00, 0.02
HSL	266°, 95%, 57%
HSV	266°, 83%, 98%
XYZ	27.7671, 13.5446, 91.6088
YIQ	92.9210, -12.5320, 83.9800

Conversions

Conversions Part 2

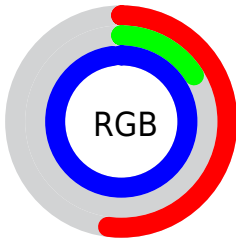
Format	Color
R _Y B	133, 42, 250
Decimal	8727290
CIE Lab	43.57, 74.99, -86.10
CIE LCh	44, 114.176, 311.055
Yxy	13.5446, 0.2089, 0.1019
Android (android.graphics.Color)	4286917370 (0xFF852AFA)
YUV	92.9210, 77.4399, 35.1493
Hunter-Lab	36.8030, 70.2693, -121.8207

Details

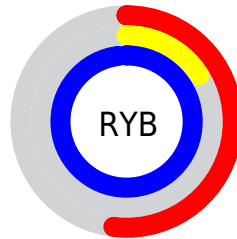
The Yxy color **13.5446, 0.2089, 0.1019** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **75.9040, 0.3515, 0.5459**, and the grayscale version is **10.7375, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.1295, 0.2644, 0.1645**, and **4.9640, 0.1757, 0.0742** is the 20% darker color. If you saturate the color by 10%, you get **11.2251, 0.1965, 0.0880**, and if you desaturate by 10%, it is **17.1205, 0.2228, 0.1218**.

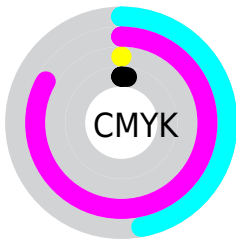
Distribution



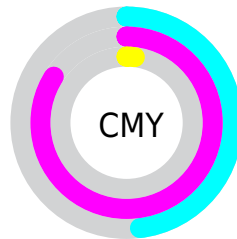
- Red (52%)
- Green (16%)
- Blue (98%)



- Red (52%)
- Yellow (16%)
- Blue (98%)



- Cyan (47%)
- Magenta (83%)
- Yellow (0%)
- Black (2%)





- Cyan (48%)
- Magenta (84%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5446, 0.2089, 0.1019 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 13.5446, 0.2089, 0.1019 by changing the saturation by 10% instead.


 13.5446, 0.2089,
0.1019


 13.5446, 0.2089,
0.1019


214.3791, 0.2695,
0.2038


 7.8046, 0.1929,
0.0823


 32.2788, 0.2320,
0.1349


 3.9702, 0.1725,
0.0608


 46.0418, 0.2404,
0.1485


 1.6569, 0.1466,
0.0385


 63.2479, 0.2474,
0.1606

 0.3955, 0.1144,
0.0147

 84.2815, 0.2533,
0.1713

 0.0000, 0.0752,
0.0000

 109.5270, 0.2583,
0.1808

 0.0000, 0.0119,
0.0000

 139.3689, 0.2626,

 0.0000, 0.0000,

0.1893

0.0000

174.1914, 0.2663,
0.1969

■ 13.5446, 0.2089,
0.1019

■ 13.5446, 0.2089,
0.1019

■ 11.2251, 0.1965,
0.0880

■ 17.1205, 0.2228,
0.1218

■ 10.1887, 0.1891,
0.0815

■ 22.1358, 0.2375,
0.1468

■ 28.7432, 0.2522,
0.1754

■ 37.0747, 0.2663,
0.2058

■ 47.2482, 0.2794,
0.2366

■ 59.3709, 0.2911,
0.2666

■ 73.5414, 0.3013,
0.2949

■ 89.8519, 0.3101,
0.3210

■ 99.6833, 0.3156,
0.3338

Harmonies

Analogous

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



13.5446, 0.0998, 0.0822



13.5446, 0.2089, 0.1019



13.5446, 0.4212, 0.1546

Triad

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



13.5446, 0.2089, 0.1019



13.5446, 0.5875, 0.4125



13.5446, 0.0546, 0.3211

Complementary

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



13.5446, 0.2089, 0.1019



75.9040, 0.3515, 0.5459

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.



13.5446, 0.1259, 0.6807



13.5446, 0.2089, 0.1019



13.5446, 0.4211, 0.5789

Square

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



13.5446, 0.2089, 0.1019



13.5446, 0.6934, 0.3064



13.5446, 0.2522, 0.7478



13.5446, 0.0404, 0.1446

Rectangle

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



13.5446, 0.2089, 0.1019



13.5446, 0.5861, 0.2046



13.5446, 0.2522, 0.7478



13.5446, 0.0702, 0.4310

Sweetspot

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



13.5449, 0.2089, 0.1019



59.6787, 0.2891, 0.2614



32.4772, 0.1942, 0.2051



11.7965, 0.2850, 0.2509



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.



13.5449, 0.2089, 0.1019



10.6463, 0.1889, 0.0815



26.4096, 0.3067, 0.1536



17.0150, 0.3048, 0.3050



5.4852, 0.1907, 0.0824



0.5695, 0.2039, 0.0897

Inverse Universe

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



24.4738, 0.4388, 0.2309



23.2517, 0.4735, 0.2382



69.3838, 0.3037, 0.5817



17.3886, 0.3206, 0.3158



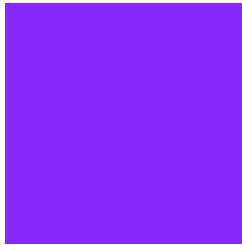
11.8217, 0.4701, 0.2363



1.1162, 0.4473, 0.2238

Previews

White Background



This preview shows how the Yxy color 13.5446, 0.2089, 0.1019 looks on a white background.

Color Contrast Check

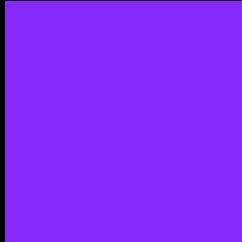
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.5446, 0.2089, 0.1019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

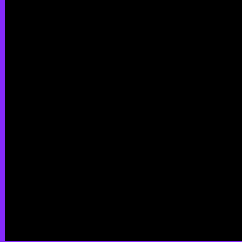
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 13.5446, 0.2089, 0.1019

Background



This preview shows how black text looks on a background with the Yxy color 13.5446, 0.2089, 0.1019.



This preview shows how white text looks on a background with the Yxy color 13.5446, 0.2089, 0.1019.

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

13.5446, 0.2089, 0.1019

Protanopia

13.5271, 0.1744, 0.1477

Deuteranopia

13.5627, 0.1861, 0.1899



Tritanopia

13.3896, 0.2942, 0.3114

Trichromacy



Original Color

13.5446, 0.2089, 0.1019



Protanomaly

11.4590, 0.1728, 0.1138



Deuteranomaly

11.2227, 0.1790, 0.1310



Tritanomaly

11.8085, 0.2510, 0.1865

Monochromacy



Original Color

13.5446, 0.2089, 0.1019



Achromatopsia

10.9462, 0.3127, 0.3290



Achromatomaly

10.2877, 0.2593, 0.1887

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5446, 0.2089, 0.1019 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(133, 42, 250)` looks like.

```
.text, #text, p{  
  color:rgb(133, 42, 250)  
}
```

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(133, 42, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 42, 250) }
```

Border

The CSS property to change the border of an element to Yxy 13.5446, 0.2089, 0.1019 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(133, 42, 250) }
```

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

```
.border{ border-color:rgb(133, 42, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 42, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 42, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 42, 250);  
box-shadow:4px 4px 4px 4px rgb(133, 42,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5446, 0.2089, 0.1019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 42, 250) }
```

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

```
.background{ background-color: rgb(133, 42,  
250) }
```

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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