

Converting Colors

$Y_{xy}(13.0065, 0.2124, 0.0943)$

Have a look what the booklet for
Yxy(13.0065, 0.2124, 0.0943)
contains.

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Color

Yxy(13.0596, 0.2129, 0.0946)

Conversions

Conversions Part 1

Format	Color
Hex	8F00FF
RGB	143, 0, 255
RGB Percent	56%, 0%, 100%
CMY	0.4389, 1.0000, 0.0000
CMYK	0.44, 1.00, 0.00, 0.00
HSL	274°, 100%, 50%
HSV	274°, 100%, 100%
XYZ	29.3910, 13.0596, 95.6001
YIQ	71.8270, 3.3730, 109.6210

Conversions

Conversions Part 2

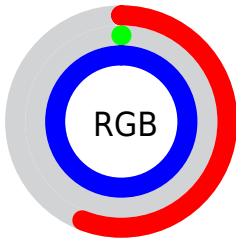
Format	Color
R_{YB}	143, 0, 255
Decimal	9371903
CIE _{Lab}	42.85, 84.44, -90.04
CIE _{LCh}	43, 123.438, 313.160
Yxy	13.0596, 0.2129, 0.0946
Android (android.graphics.Color)	4287561983 (0xFF8F00FF)
YUV	71.8270, 90.3043, 62.4187
Hunter-Lab	36.1381, 81.9320, -131.5499

Details

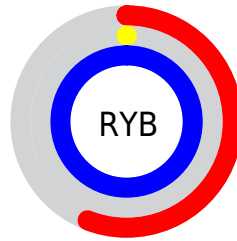
The Yxy color **13.0596, 0.2129, 0.0946** is a dark color, and the websafe version is hex **9900FF**, and the color name is **electric violet**. The color can be described as dark saturated purple. A complement of this color would be **74.9592, 0.3273, 0.5783**, and the grayscale version is **6.2966, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.8388, 0.2735, 0.1570**, and **5.5677, 0.1818, 0.0775** is the 20% darker color. If you saturate the color by 10%, you get **13.0671, 0.2129, 0.0947**, and if you desaturate by 10%, it is **14.8339, 0.2232, 0.1042**.

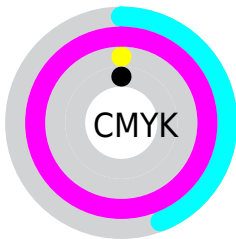
Distribution



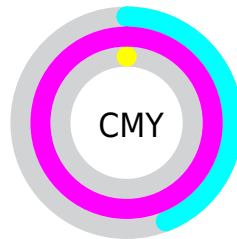
- Red (56%)
- Green (0%)
- Blue (100%)



- Red (56%)
- Yellow (0%)
- Blue (100%)



- Cyan (44%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)




- Cyan (44%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0596, 0.2129, 0.0946 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 13.0596, 0.2129, 0.0946 by changing the saturation by 10% instead.


 13.0596, 0.2129,
0.0946


 13.0596, 0.2129,
0.0946


211.2993, 0.2721,
0.1976


 7.4696, 0.1971,
0.0754


 31.4108, 0.2356,
0.1274


 3.7575, 0.1772,
0.0548


 44.9408, 0.2438,
0.1411

 1.5388, 0.1517,
0.0337


 61.8863, 0.2507,
0.1533

 0.3158, 0.1200,
0.0110

 82.6316, 0.2564,
0.1642

 0.0000, 0.0810,
0.0000

 107.5612, 0.2613,
0.1739

 0.0000, 0.0269,
0.0000

 137.0594, 0.2654,

 0.0000, 0.0000,

0.1826

0.0000

171.5106, 0.2690,
0.1905

■ 13.0596, 0.2129,
0.0946

■ 13.0596, 0.2129,
0.0946

■ 13.0671, 0.2129,
0.0947

■ 14.8339, 0.2232,
0.1042

■ 17.6372, 0.2344,
0.1186

■ 21.7651, 0.2462,
0.1384

■ 27.3951, 0.2582,
0.1626

■ 34.6761, 0.2697,
0.1899

■ 43.7384, 0.2805,
0.2188

■ 54.6991, 0.2903,
0.2481

■ 67.6649, 0.2989,
0.2766

■ 82.7346, 0.3064,
0.3038

Harmonies

Analogous

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



13.0596, 0.0954, 0.0732



13.0596, 0.2129, 0.0946



13.0596, 0.4476, 0.1496

Triad

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



13.0596, 0.2129, 0.0946



13.0596, 0.5854, 0.4146



13.0596, 0.0407, 0.2936

Complementary

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



13.0596, 0.2129, 0.0946



74.9592, 0.3273, 0.5783

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.



13.0596, 0.1006, 0.6941



13.0596, 0.2129, 0.0946



13.0596, 0.4006, 0.5994

Square

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



13.0596, 0.2129, 0.0946



13.0596, 0.7028, 0.2972



13.0596, 0.2201, 0.7799



13.0596, 0.0321, 0.1258

Rectangle

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



13.0596, 0.2129, 0.0946



13.0596, 0.6233, 0.1999



13.0596, 0.2201, 0.7799



13.0596, 0.0527, 0.4078

Sweetspot

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



13.0671, 0.2129, 0.0947



54.6991, 0.2903, 0.2481



19.4245, 0.1717, 0.1381



10.6677, 0.2863, 0.2357



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.



13.0671, 0.2129, 0.0947



27.6858, 0.3341, 0.1614



17.8805, 0.3067, 0.3051



6.9178, 0.2145, 0.0955



0.7383, 0.2261, 0.1019

Inverse Universe

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



22.4280, 0.5264, 0.2673



71.5484, 0.2994, 0.5979



18.1195, 0.3225, 0.3186



11.7479, 0.5223, 0.2651



1.1654, 0.4937, 0.2494

Previews

White Background



This preview shows how the Yxy color 13.0596, 0.2129, 0.0946 looks on a white background.

Color Contrast Check

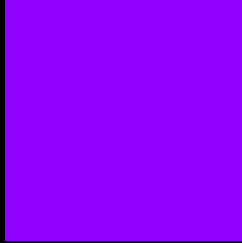
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.0596, 0.2129, 0.0946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

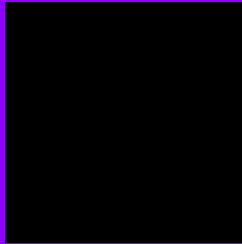
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.0596, 0.2129, 0.0946

Background



This preview shows how black text looks on a background with the Yxy color 13.0596, 0.2129, 0.0946.



This preview shows how white text looks on a background with the Yxy color 13.0596, 0.2129, 0.0946.

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

13.0596, 0.2129, 0.0946

Protanopia

13.4777, 0.1746, 0.1485

Deuteranopia

13.3175, 0.1859, 0.1892



Tritanopia

13.2364, 0.3164, 0.3121

Trichromacy



Original Color

13.0596, 0.2129, 0.0946

Protanomaly

9.7213, 0.1700, 0.0985

Deuteranomaly

9.2006, 0.1751, 0.1106

Tritanomaly

10.1932, 0.2633, 0.1668

Monochromacy



Original Color

13.0596, 0.2129, 0.0946

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

6.4147, 0.2530, 0.1520

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0596, 0.2129, 0.0946 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(143, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(143, 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(143, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 0, 255) }
```

Border

The CSS property to change the border of an element to Yxy 13.0596, 0.2129, 0.0946 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(143, 0, 255) }
```

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

```
.border{ border-color:rgb(143, 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(143, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(143, 0,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 13.0596, 0.2129, 0.0946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 0, 255) }
```

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

```
.background{ background-color: rgb(143, 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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