

Converting Colors

$Yxy(13.4158, 0.2373, 0.1081)$

Have a look what the booklet for
Yxy(13.4158, 0.2373, 0.1081)
contains.

Yxy(13.3835, 0.2371, 0.1080)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(13.3835, 0.2371, 0.1080)

Conversions

Conversions Part 1

Format	Color
Hex	9E00ED
RGB	158, 0, 237
RGB Percent	62%, 0%, 93%
CMY	0.3805, 0.9994, 0.0706
CMYK	0.33, 1.00, 0.00, 0.07
HSL	280°, 100%, 47%
HSV	280°, 100%, 93%
XYZ	29.3817, 13.3835, 81.1561
YIQ	74.2600, 18.0910, 107.2030

Conversions

Conversions Part 2

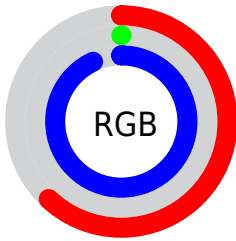
Format	Color
RYB	158, 0, 237
Decimal	10354925
CIELab	43.34, 82.32, -79.03
CIElCh	43, 114.118, 316.167
Yxy	13.3835, 0.2371, 0.1080
Android (android.graphics.Color)	4288545005 (0xFF9E00ED)
YUV	74.2600, 80.2308, 73.4400
Hunter-Lab	36.5835, 79.3399, -105.9194

Details

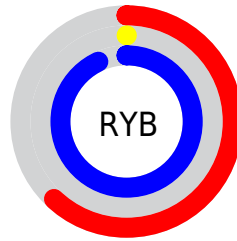
The Yxy color **13.3835, 0.2371, 0.1080** is a dark color, and the websafe version is hex **9933FF**. The color can be described as dark washed purple. A complement of this color would be **62.2398, 0.3162, 0.5871**, and the grayscale version is **6.7648, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.9356, 0.2857, 0.1634**, and **5.8367, 0.2103, 0.0932** is the 20% darker color. If you saturate the color by 10%, you get **13.3752, 0.2370, 0.1080**, and if you desaturate by 10%, it is **14.8557, 0.2456, 0.1165**.

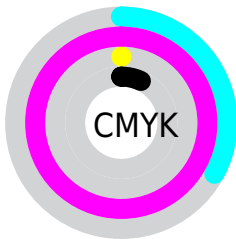
Distribution



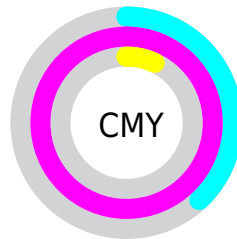
- Red (62%)
- Green (0%)
- Blue (93%)



- Red (62%)
- Yellow (0%)
- Blue (93%)



- Cyan (33%)
- Magenta (100%)
- Yellow (0%)
- Black (7%)





- Cyan (38%)
- Magenta (100%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3835, 0.2371, 0.1080 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 13.3835, 0.2371, 0.1080 by changing the saturation by 10% instead.


 13.3835, 0.2371,
0.1080


 13.3835, 0.2371,
0.1080


213.3611, 0.2844,
0.2086


 7.6932, 0.2234,
0.0881


 31.9911, 0.2560,
0.1410


 3.8992, 0.2054,
0.0659


 45.6771, 0.2626,
0.1545

 1.6174, 0.1813,
0.0424


 62.7971, 0.2680,
0.1664

 0.3693, 0.1494,
0.0160

 83.7355, 0.2725,
0.1769

 0.0000, 0.1067,
0.0000

 108.8767, 0.2763,
0.1862

 0.0000, 0.0383,
0.0000

 138.6051, 0.2794,

 0.0000, 0.0000,

0.1945

0.0000

173.3051, 0.2821,
0.2019

■ 13.3835, 0.2371,
0.1080

■ 13.3835, 0.2371,
0.1080

■ 13.3752, 0.2370,
0.1080

■ 14.8557, 0.2456,
0.1165

■ 17.1666, 0.2545,
0.1295

■ 20.5618, 0.2636,
0.1474

■ 25.1875, 0.2727,
0.1696

■ 31.1664, 0.2814,
0.1949

■ 38.6062, 0.2894,
0.2221

■ 47.6034, 0.2966,
0.2500

■ 58.2462, 0.3029,
0.2776

■ 70.6159, 0.3082,
0.3042

Harmonies

Analogous

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



13.3835, 0.1123, 0.0831



13.3835, 0.2371, 0.1080



13.3835, 0.4655, 0.1663

Triad

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



13.3835, 0.2371, 0.1080



13.3835, 0.5630, 0.4370



13.3835, 0.0489, 0.2756

Complementary

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



13.3835, 0.2371, 0.1080



62.2398, 0.3162, 0.5871

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.



13.3835, 0.1080, 0.6241



13.3835, 0.2371, 0.1080



13.3835, 0.3896, 0.6104

Square

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



13.3835, 0.2371, 0.1080



13.3835, 0.6807, 0.3193



13.3835, 0.2286, 0.7714



13.3835, 0.0407, 0.1296

Rectangle

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



13.3835, 0.2371, 0.1080



13.3835, 0.6214, 0.2173



13.3835, 0.2286, 0.7714



13.3835, 0.0608, 0.3714

Sweetspot

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



13.3839, 0.2371, 0.1080



55.9961, 0.2964, 0.2495



12.3101, 0.1638, 0.1097



10.9766, 0.2935, 0.2377



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.



13.3839, 0.2371, 0.1080



15.7560, 0.2367, 0.1078



22.2476, 0.3636, 0.1777



15.0474, 0.3085, 0.3054



7.3769, 0.2384, 0.1087



0.6315, 0.2500, 0.1151

Inverse Universe

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



18.5754, 0.5677, 0.2901



21.9173, 0.5689, 0.2907



60.6955, 0.2970, 0.5890



15.1370, 0.3240, 0.3212



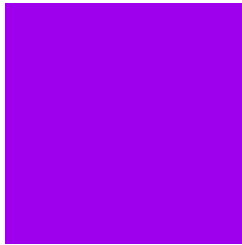
10.1604, 0.5636, 0.2878



0.8151, 0.5247, 0.2664

Previews

White Background



This preview shows how the Yxy color 13.3835, 0.2371, 0.1080 looks on a white background.

Color Contrast Check

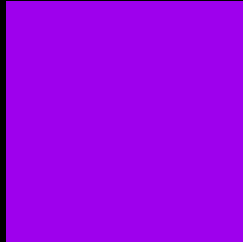
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.3835, 0.2371, 0.1080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

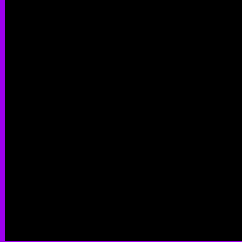
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 13.3835, 0.2371, 0.1080

Background



This preview shows how black text looks on a background with the Yxy color 13.3835, 0.2371, 0.1080.



This preview shows how white text looks on a background with the Yxy color 13.3835, 0.2371, 0.1080.

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

13.3835, 0.2371, 0.1080

Protanopia

13.8175, 0.1744, 0.1477

Deuteranopia

13.9343, 0.1853, 0.1870



Tritanopia

13.7353, 0.3653, 0.3158

Trichromacy



Original Color

13.3835, 0.2371, 0.1080



Protanomaly

9.7040, 0.1733, 0.1023



Deuteranomaly

9.3159, 0.1786, 0.1145



Tritanomaly

11.0807, 0.3071, 0.1867

Monochromacy



Original Color

13.3835, 0.2371, 0.1080



Achromatopsia

6.8478, 0.3127, 0.3290



Achromatomaly

6.7297, 0.2721, 0.1653

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3835, 0.2371, 0.1080 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(158, 0, 237)` looks like.

```
.text, #text, p{  
  color:rgb(158, 0, 237)  
}
```

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(158, 0, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 0, 237) }
```

Border

The CSS property to change the border of an element to Yxy 13.3835, 0.2371, 0.1080 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(158, 0, 237) }
```

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

```
.border{ border-color:rgb(158, 0, 237) }
```

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

Here you see how a box with a 4 pixel rgb(158, 0, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 0, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 0, 237);  
box-shadow:4px 4px 4px 4px rgb(158, 0,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3835, 0.2371, 0.1080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 0, 237) }
```

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

```
.background{ background-color: rgb(158, 0,  
237) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor