

Converting Colors

$Y_{xy}(13.3350, 0.2050, 0.0972)$

Have a look what the booklet for
Yxy(13.3350, 0.2050, 0.0972)
contains.

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Color

Yxy(13.3873, 0.2054, 0.0975)

Conversions

Conversions Part 1

Format	Color
Hex	8424FF
RGB	132, 36, 255
RGB Percent	52%, 14%, 100%
CMY	0.4822, 0.8591, 0.0000
CMYK	0.48, 0.86, 0.00, 0.00
HSL	266°, 100%, 57%
HSV	266°, 86%, 100%
XYZ	28.2026, 13.3873, 95.7158
YIQ	89.6700, -13.0830, 88.4610

Conversions

Conversions Part 2

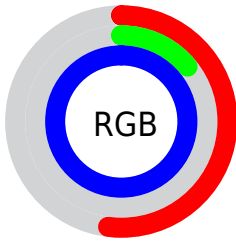
Format	Color
R _Y B	132, 36, 255
Decimal	8660223
CIE Lab	43.34, 77.71, -89.28
CIE LCh	43, 118.362, 311.038
Yxy	13.3873, 0.2054, 0.0975
Android (android.graphics.Color)	4286850303 (0xFF8424FF)
YUV	89.6700, 81.5077, 37.1234
Hunter-Lab	36.5887, 73.5578, -129.4903

Details

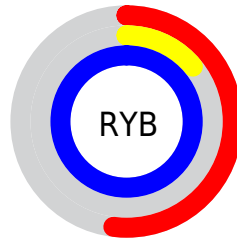
The Yxy color **13.3873, 0.2054, 0.0975** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle washed purple. A complement of this color would be **79.0067, 0.3506, 0.5501**, and the grayscale version is **9.9583, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.5575, 0.2642, 0.1621**, and **5.0880, 0.1723, 0.0723** is the 20% darker color. If you saturate the color by 10%, you get **11.2793, 0.1935, 0.0852**, and if you desaturate by 10%, it is **16.7477, 0.2190, 0.1158**.

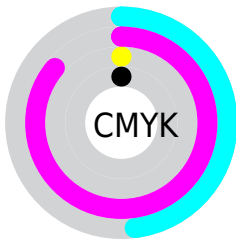
Distribution



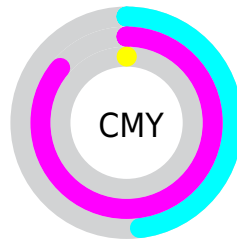
- Red (52%)
- Green (14%)
- Blue (100%)



- Red (52%)
- Yellow (14%)
- Blue (100%)



- Cyan (48%)
- Magenta (86%)
- Yellow (0%)
- Black (0%)




- Cyan (48%)
- Magenta (86%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3873, 0.2054, 0.0975 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 13.3873, 0.2054, 0.0975 by changing the saturation by 10% instead.


 13.3873, 0.2054,
0.0975

 13.3873, 0.2054,
0.0975


213.3851, 0.2677,
0.2001

 7.6958, 0.1891,
0.0782


 31.9979, 0.2290,
0.1304

 3.9009, 0.1687,
0.0572


 45.6857, 0.2377,
0.1441

 1.6183, 0.1428,
0.0357


 62.8077, 0.2449,
0.1562

 0.3699, 0.1109,
0.0129

 83.7484, 0.2510,
0.1670

 0.0000, 0.0727,
0.0000

 108.8921, 0.2561,
0.1767

 0.0000, 0.0152,
0.0000

 138.6232, 0.2606,

 0.0000, 0.0000,

0.1853

0.0000

173.3260, 0.2644,
0.1931

■ 13.3873, 0.2054,
0.0975

■ 13.3873, 0.2054,
0.0975

■ 11.2793, 0.1935,
0.0852

■ 16.7477, 0.2190,
0.1158

■ 10.6565, 0.1891,
0.0815

■ 21.5684, 0.2335,
0.1396

■ 28.0161, 0.2483,
0.1674

■ 36.2345, 0.2626,
0.1975

■ 46.3506, 0.2760,
0.2284

■ 58.4797, 0.2881,
0.2587

■ 72.7277, 0.2987,
0.2875

■ 89.1927, 0.3079,
0.3143

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



13.3873, 0.0956, 0.0779



13.3873, 0.2054, 0.0975



13.3873, 0.4240, 0.1501

Triad

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



13.3873, 0.2054, 0.0975



13.3873, 0.5913, 0.4087



13.3873, 0.0492, 0.3186

Complementary

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



13.3873, 0.2054, 0.0975



79.0067, 0.3506, 0.5501

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.



13.3873, 0.1179, 0.6975



13.3873, 0.2054, 0.0975



13.3873, 0.4185, 0.5815

Square

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



13.3873, 0.2054, 0.0975



13.3873, 0.7000, 0.3000



13.3873, 0.2428, 0.7572



13.3873, 0.0364, 0.1390

Rectangle

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



13.3873, 0.2054, 0.0975



13.3873, 0.5953, 0.2002



13.3873, 0.2428, 0.7572



13.3873, 0.0639, 0.4336

Sweetspot

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



13.3868, 0.2054, 0.0975



58.3589, 0.2880, 0.2584



32.7603, 0.1919, 0.2005



11.5431, 0.2839, 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.



13.3868, 0.2054, 0.0975



10.6565, 0.1891, 0.0815



27.0723, 0.3063, 0.1514



17.7676, 0.3048, 0.3049



5.6531, 0.1907, 0.0824



0.6138, 0.2033, 0.0894

Inverse Universe

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



25.0172, 0.4448, 0.2313



23.2470, 0.4737, 0.2383



72.3389, 0.3032, 0.5862



18.1579, 0.3206, 0.3157



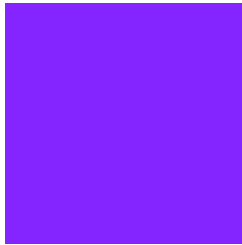
12.1776, 0.4705, 0.2366



1.2077, 0.4487, 0.2245

Previews

White Background



This preview shows how the Yxy color 13.3873, 0.2054, 0.0975 looks on a white background.

Color Contrast Check

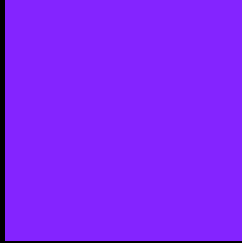
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.3873, 0.2054, 0.0975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

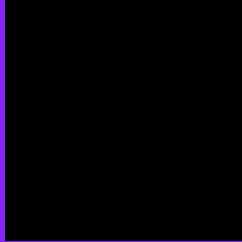
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.3873, 0.2054, 0.0975

Background



This preview shows how black text looks on a background with the Yxy color 13.3873, 0.2054, 0.0975.



This preview shows how white text looks on a background with the Yxy color 13.3873, 0.2054, 0.0975.

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

13.3873, 0.2054, 0.0975

Protanopia

13.4777, 0.1746, 0.1485

Deuteranopia

13.3175, 0.1859, 0.1892



Tritanopia

13.2500, 0.2890, 0.3090

Trichromacy



Original Color

13.3873, 0.2054, 0.0975



Protanomaly

11.2335, 0.1720, 0.1111



Deuteranomaly

10.8219, 0.1776, 0.1262



Tritanomaly

11.4604, 0.2464, 0.1801

Monochromacy



Original Color

13.3873, 0.2054, 0.0975



Achromatopsia

10.2242, 0.3127, 0.3290



Achromatomaly

9.5856, 0.2546, 0.1805

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3873, 0.2054, 0.0975 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, 36, 255)` looks like.

```
.text, #text, p{  
    color:rgb(132, 36, 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, 36, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 36, 255) }
```

Border

The CSS property to change the border of an element to Yxy 13.3873, 0.2054, 0.0975 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, 36, 255) }
```

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

```
.border{ border-color:rgb(132, 36, 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, 36, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 36, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 36, 255);  
box-shadow:4px 4px 4px 4px rgb(132, 36,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3873, 0.2054, 0.0975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 36, 255) }
```

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

```
.background{ background-color: rgb(132, 36,  
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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