

# Converting Colors

$Y_{xy}(44.3038, 0.3183, 0.2098)$

Have a look what the booklet for  
Yxy(44.3038, 0.3183, 0.2098)  
contains.

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# Color

**Yxy(44.1805, 0.3183, 0.2095)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF81FF
RGB	255, 129, 255
RGB Percent	100%, 51%, 100%
CMY	0.0002, 0.4939, 0.0001
CMYK	0.00, 0.49, 0.00, 0.00
HSL	300°, 100%, 75%
HSV	300°, 49%, 100%
XYZ	67.1248, 44.1805, 99.5801
YIQ	181.0380, 34.6500, 65.8980

# Conversions

## Conversions Part 2

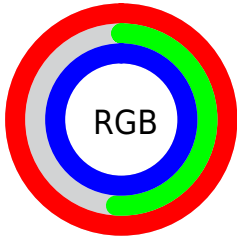
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 129, 255
Decimal	16744959
CIE <sub>Lab</sub>	72.35, 64.45, -41.81
CIE <sub>LCh</sub>	72, 76.823, 327.029
Yxy	44.1805, 0.3183, 0.2095
Android (android.graphics.Color)	4294935039 (0xFFFF81FF)
YUV	181.0380, 36.4633, 64.8647
Hunter-Lab	66.4684, 63.9431, -42.2978

# Details

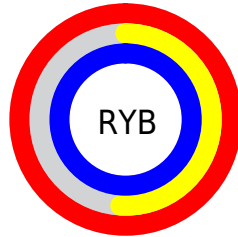
The Yxy color **44.1805, 0.3183, 0.2095** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **77.7660, 0.3053, 0.4867**, and the grayscale version is **46.0207, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.5978, 0.3159, 0.2614**, and **20.4477, 0.3171, 0.1838** is the 20% darker color. If you saturate the color by 10%, you get **38.2788, 0.3192, 0.1904**, and if you desaturate by 10%, it is **51.7619, 0.3173, 0.2316**.

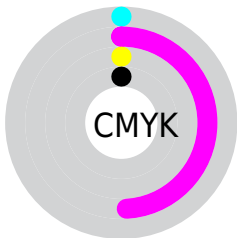
# Distribution



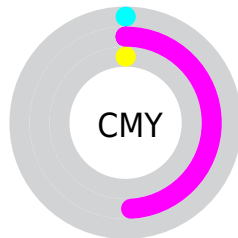
- Red (100%)
- Green (51%)
- Blue (100%)



- Red (100%)
- Yellow (51%)
- Blue (100%)



- Cyan (0%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (49%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.1805, 0.3183, 0.2095 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 44.1805, 0.3183, 0.2095 by changing the saturation by 10% instead.





 44.1805, 0.3183,  
0.2095


 44.1805, 0.3183,  
0.2095


363.4443, 0.3179,  
0.2627

 30.8124, 0.3178,  
0.1980


 81.4893, 0.3186,  
0.2275

 20.4561, 0.3170,  
0.1842


 106.1988, 0.3186,  
0.2346

 12.7270, 0.3155,  
0.1674


 135.4576, 0.3185,  
0.2408

 7.2408, 0.3128,  
0.1466

169.6500, 0.3185,  
0.2463

 3.6132, 0.3079,  
0.1207

209.1605, 0.3183,  
0.2511

 1.4596, 0.2987,  
0.0882

254.3735, 0.3182,

 0.2600, 0.2846,

0.2554

0.0329

305.6733, 0.3181,  
0.2593

0.0000, 0.2413,  
0.0000

0.0000, 0.0000,  
0.0000

44.1805, 0.3183,  
0.2095

44.1805, 0.3183,  
0.2095

38.2788, 0.3192,  
0.1904

51.7619, 0.3173,  
0.2316

33.9240, 0.3199,  
0.1751

61.1311, 0.3161,  
0.2556

30.9727, 0.3204,  
0.1640

72.3939, 0.3150,  
0.2807

29.2526, 0.3207,  
0.1573

85.6464, 0.3138,  
0.3059

■ 28.4991, 0.3209,  
0.1543

99.9950, 0.3127,  
0.3290

■ 28.4653, 0.3209,  
0.1541

99.9960, 0.3127,  
0.3290

99.9969, 0.3127,  
0.3290

99.9979, 0.3127,  
0.3290

99.9987, 0.3127,  
0.3290

# Harmonies

## Analogous

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



44.1805, 0.2228, 0.1802



44.1805, 0.3183, 0.2095



44.1805, 0.4310, 0.2614

# Triad

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



44.1805, 0.3183, 0.2095



44.1805, 0.4639, 0.4731



44.1805, 0.1479, 0.2819

# Complementary

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



44.1805, 0.3183, 0.2095



77.7660, 0.3053, 0.4867

# 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.



44.1805, 0.1944, 0.4017



44.1805, 0.3183, 0.2095



44.1805, 0.3760, 0.5279

# Square

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



44.1805, 0.3183, 0.2095



44.1805, 0.5180, 0.3987



44.1805, 0.2779, 0.5100



44.1805, 0.1394, 0.2080



# Rectangle

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



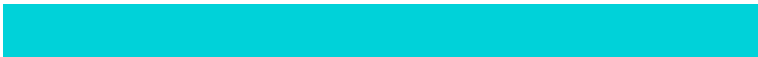
44.1805, 0.3183, 0.2095



44.1805, 0.4908, 0.3042



44.1805, 0.2779, 0.5100



44.1805, 0.1589, 0.3179

# Sweetspot

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



44.1825, 0.3183, 0.2095



77.9755, 0.3145, 0.2918



28.1606, 0.2181, 0.1743



16.1073, 0.3147, 0.2865



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.



44.1825, 0.3183, 0.2095



38.4860, 0.3192, 0.1911



40.8686, 0.3781, 0.2627



18.3002, 0.3138, 0.3056



14.8765, 0.3209, 0.1541



1.4485, 0.3209, 0.1541



# Inverse Universe

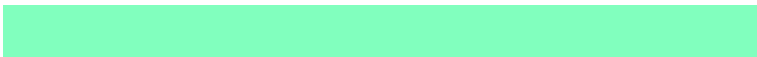
The Inverse Universe completely reimagines the original color for something new.



38.5554, 0.4533, 0.3294



32.2830, 0.4979, 0.3295



79.8918, 0.2771, 0.4092



17.9872, 0.3295, 0.3290



11.1089, 0.6401, 0.3300



1.0817, 0.6400, 0.3299



# Previews

## White Background



This preview shows how the Yxy color 44.1805, 0.3183, 0.2095 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

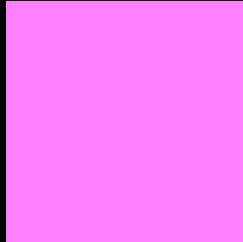
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.1805, 0.3183, 0.2095 looks on a black 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 ✓ Pass

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

**Yxy 44.1805, 0.3183, 0.2095**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.1805, 0.3183, 0.2095.



This preview shows how white text looks on a background with the Yxy color 44.1805, 0.3183, 0.2095.

# 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

44.1805, 0.3183, 0.2095

### Protanopia

44.4593, 0.2411, 0.2323

### Deuteranopia

44.7346, 0.2480, 0.2421



## Tritanopia

44.0107, 0.3949, 0.3161

# Trichromacy



## Original Color

44.1805, 0.3183, 0.2095



## Protanomaly

42.4925, 0.2644, 0.2192



## Deuteranomaly

42.7748, 0.2693, 0.2252



## Tritanomaly

43.5869, 0.3664, 0.2730

# Monochromacy



## Original Color

44.1805, 0.3183, 0.2095



## Achromatopsia

46.2077, 0.3127, 0.3290



## Achromatomaly

43.8046, 0.3153, 0.2745

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.1805, 0.3183, 0.2095 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(255, 129, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 129, 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(255, 129, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 129, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 44.1805, 0.3183, 0.2095 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(255, 129, 255) }
```

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

```
.border{ border-color:rgb(255, 129, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 129, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 129, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 129, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 129,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.1805, 0.3183, 0.2095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 129, 255) }
```

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

```
.background{ background-color: rgb(255,  
129, 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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