

# Converting Colors

$Y_{xy}(48.8391, 0.3184, 0.2284)$

Have a look what the booklet for  
Yxy(48.8391, 0.3184, 0.2284)  
contains.

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# Color

**Yxy(48.8403, 0.3183, 0.2281)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FC94FB
RGB	252, 148, 251
RGB Percent	99%, 58%, 98%
CMY	0.0117, 0.4196, 0.0156
CMYK	0.00, 0.41, 0.00, 0.01
HSL	301°, 95%, 78%
HSV	301°, 41%, 99%
XYZ	68.1537, 48.8403, 97.1239
YIQ	190.8380, 28.9210, 54.0810

# Conversions

## Conversions Part 2

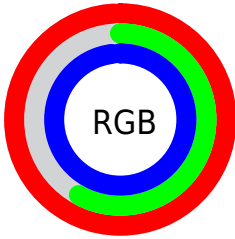
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	252, 148, 251
Decimal	16553211
CIE Lab	75.35, 53.77, -35.02
CIE LCh	75, 64.169, 326.923
Yxy	48.8403, 0.3183, 0.2281
Android (android.graphics.Color)	4294743291 (0xFFFC94FB)
YUV	190.8380, 29.6599, 53.6391
Hunter-Lab	69.8858, 51.7757, -33.4782

# Details

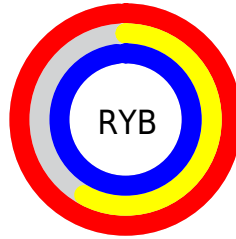
The Yxy color **48.8403, 0.3183, 0.2281** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **78.0934, 0.3062, 0.4559**, and the grayscale version is **51.8153, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6657, 0.3151, 0.2792**, and **23.3698, 0.3185, 0.2068** is the 20% darker color. If you saturate the color by 10%, you get **41.7641, 0.3196, 0.2067**, and if you desaturate by 10%, it is **57.6417, 0.3169, 0.2517**.

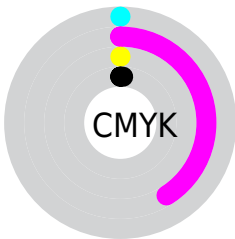
# Distribution



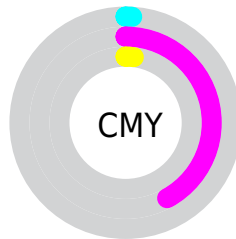
- Red (99%)
- Green (58%)
- Blue (98%)



- Red (99%)
- Yellow (58%)
- Blue (98%)



- Cyan (0%)
- Magenta (41%)
- Yellow (0%)
- Black (1%)




- Cyan (1%)
- Magenta (42%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.8403, 0.3183, 0.2281 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 48.8403, 0.3183, 0.2281 by changing the saturation by 10% instead.





 48.8403, 0.3183,  
0.2281


 48.8403, 0.3183,  
0.2281

382.1133, 0.3173,  
0.2734

 34.4928, 0.3182,  
0.2182


 88.4542, 0.3182,  
0.2435

 23.2724, 0.3178,  
0.2062


 114.4894, 0.3181,  
0.2496

 14.7948, 0.3170,  
0.1914


145.1894, 0.3180,  
0.2548

 8.6755, 0.3155,  
0.1729

180.9384, 0.3179,  
0.2595

 4.5301, 0.3126,  
0.1491

222.1209, 0.3177,  
0.2636

 1.9743, 0.3066,  
0.1181

269.1213, 0.3176,

 0.5925, 0.2948,

0.2672

0.0741

322.3239, 0.3174,  
0.2705

0.0000, 0.2711,  
0.0000

0.0000, 0.0000,  
0.0000

48.8403, 0.3183,  
0.2281

48.8403, 0.3183,  
0.2281

41.7641, 0.3196,  
0.2067

57.6417, 0.3169,  
0.2517

36.2936, 0.3207,  
0.1883

68.2644, 0.3156,  
0.2764

32.3048, 0.3217,  
0.1738

80.8051, 0.3142,  
0.3014

29.6527, 0.3224,  
0.1636

95.3521, 0.3129,  
0.3259

■ 28.1629, 0.3230,  
0.1577

■ 99.2601, 0.3125,  
0.3317

■ 27.5765, 0.3233,  
0.1555

■ 99.2753, 0.3123,  
0.3314

■ 99.2905, 0.3122,  
0.3312

■ 99.3057, 0.3121,  
0.3310

■ 99.3209, 0.3119,  
0.3307

# Harmonies

## Analogous

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



48.8403, 0.2384, 0.2026



48.8403, 0.3183, 0.2281



48.8403, 0.4087, 0.2735

# Triad

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



48.8403, 0.3183, 0.2281



48.8403, 0.4429, 0.4540



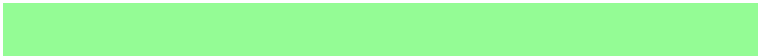
48.8403, 0.1744, 0.2939

# Complementary

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



48.8403, 0.3183, 0.2281



78.0934, 0.3062, 0.4559

# 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.



48.8403, 0.2165, 0.3881



48.8403, 0.3183, 0.2281



48.8403, 0.3709, 0.4911

# Square

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



48.8403, 0.3183, 0.2281



48.8403, 0.4835, 0.3940



48.8403, 0.2881, 0.4708



48.8403, 0.1654, 0.2301



# Rectangle

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



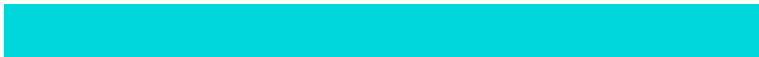
48.8403, 0.3183, 0.2281



48.8403, 0.4568, 0.3112



48.8403, 0.2881, 0.4708



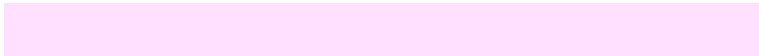
48.8403, 0.1847, 0.3230

# Sweetspot

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



48.8425, 0.3183, 0.2281



81.9879, 0.3143, 0.2996



34.5023, 0.2354, 0.2012



17.1679, 0.3145, 0.2964



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.



48.8425, 0.3183, 0.2281



43.7107, 0.3194, 0.2092



46.0460, 0.3651, 0.2749



17.5216, 0.3140, 0.3059



14.3646, 0.3233, 0.1555



1.3313, 0.3230, 0.1553



# Inverse Universe

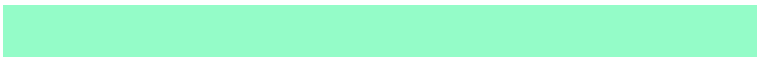
The Inverse Universe completely reimagines the original color for something new.



48.8425, 0.3183, 0.2281



43.7107, 0.3194, 0.2092



80.0944, 0.2808, 0.3914



17.5216, 0.3140, 0.3059



14.3646, 0.3233, 0.1555



1.3313, 0.3230, 0.1553



# Previews

## White Background



This preview shows how the Yxy color 48.8403, 0.3183, 0.2281 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

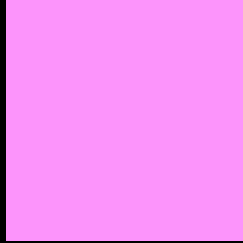
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.8403, 0.3183, 0.2281 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

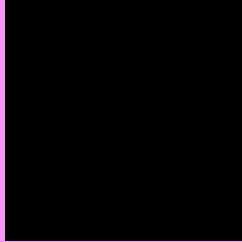
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.8403, 0.3183, 0.2281**

## Background



This preview shows how black text looks on a background with the Yxy color 48.8403, 0.3183, 0.2281.



This preview shows how white text looks on a background with the Yxy color 48.8403, 0.3183, 0.2281.

# 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

48.8403, 0.3183, 0.2281

### Protanopia

49.3935, 0.2508, 0.2453

### Deuteranopia

49.2302, 0.2614, 0.2552



## Tritanopia

48.6025, 0.3746, 0.3149

# Trichromacy



## Original Color

48.8403, 0.3183, 0.2281



## Protanomaly

48.0173, 0.2715, 0.2361



## Deuteranomaly

47.8824, 0.2798, 0.2425



## Tritanomaly

48.4062, 0.3538, 0.2802

# Monochromacy



## Original Color

48.8403, 0.3183, 0.2281



## Achromatopsia

52.0996, 0.3127, 0.3290



## Achromatomaly

49.6102, 0.3148, 0.2851

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.8403, 0.3183, 0.2281 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(252, 148, 251)` looks like.

```
.text, #text, p{  
    color:rgb(252, 148, 251)  
}
```

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(252, 148, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 148, 251) }
```

## Border

The CSS property to change the border of an element to Yxy 48.8403, 0.3183, 0.2281 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(252, 148, 251) }
```

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

```
.border{ border-color:rgb(252, 148, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 148, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 148, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 148, 251);  
box-shadow:4px 4px 4px 4px rgb(252, 148,  
251) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.8403, 0.3183, 0.2281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 148, 251) }
```

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

```
.background{ background-color: rgb(252,  
148, 251) }
```

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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