

# Converting Colors

$Y_{xy}(41.8346, 0.3166, 0.2076)$

Have a look what the booklet for  
Yxy(41.8346, 0.3166, 0.2076)  
contains.

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# Color

**Yxy(41.7720, 0.3166, 0.2073)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F97DFB
RGB	249, 125, 251
RGB Percent	98%, 49%, 98%
CMY	0.0237, 0.5096, 0.0158
CMYK	0.01, 0.50, 0.00, 0.02
HSL	299°, 94%, 74%
HSV	299°, 50%, 98%
XYZ	63.7965, 41.7720, 95.9366
YIQ	176.4400, 33.4580, 65.4740

# Conversions

## Conversions Part 2

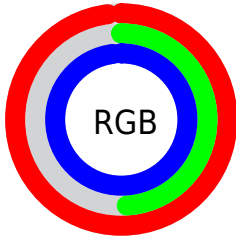
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	249, 125, 251
Decimal	16350715
CIE Lab	70.71, 64.02, -42.23
CIE LCh	71, 76.690, 326.587
Yxy	41.7720, 0.3166, 0.2073
Android (android.graphics.Color)	4294540795 (0xFFFF97DFB)
YUV	176.4400, 36.7581, 63.6351
Hunter-Lab	64.6313, 63.0898, -42.7663

# Details

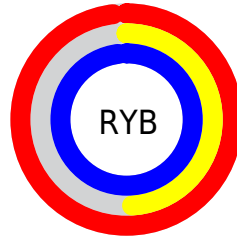
The Yxy color **41.7720, 0.3166, 0.2073** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **74.9698, 0.3062, 0.4889**, and the grayscale version is **43.4544, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9359, 0.3161, 0.2575**, and **18.9764, 0.3147, 0.1808** is the 20% darker color. If you saturate the color by 10%, you get **36.1261, 0.3170, 0.1882**, and if you desaturate by 10%, it is **49.0269, 0.3160, 0.2294**.

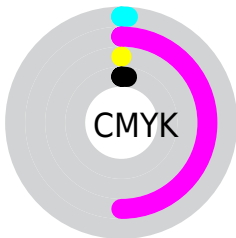
# Distribution



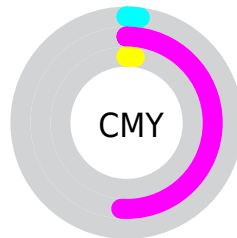
- Red (98%)
- Green (49%)
- Blue (98%)



- Red (98%)
- Yellow (49%)
- Blue (98%)



- Cyan (1%)
- Magenta (50%)
- Yellow (0%)
- Black (2%)




- Cyan (2%)
- Magenta (51%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.7720, 0.3166, 0.2073 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 41.7720, 0.3166, 0.2073 by changing the saturation by 10% instead.




 41.7720, 0.3166,  
0.2073


 41.7720, 0.3166,  
0.2073

353.5369, 0.3171,  
0.2619


 28.9228, 0.3159,  
0.1954


 77.8544, 0.3173,  
0.2258

 19.0224, 0.3147,  
0.1812


 101.8565, 0.3174,  
0.2331

 11.6865, 0.3128,  
0.1638


 130.3449, 0.3174,  
0.2395

 6.5306, 0.3094,  
0.1422

163.7041, 0.3174,  
0.2451

 3.1703, 0.3034,  
0.1152

202.3186, 0.3174,  
0.2500

 1.2213, 0.2923,  
0.0816

246.5726, 0.3173,

 0.0790, 0.2786,

0.2544

0.0115

296.8506, 0.3172,  
0.2584

0.0000, 0.2164,  
0.0000

0.0000, 0.0000,  
0.0000

41.7720, 0.3166,  
0.2073

41.7720, 0.3166,  
0.2073

36.1261, 0.3170,  
0.1882

49.0269, 0.3160,  
0.2294

31.9603, 0.3173,  
0.1728

57.9955, 0.3153,  
0.2535


29.1353, 0.3173,  
0.1617

68.7806, 0.3145,  
0.2787


27.4827, 0.3172,  
0.1550

81.4748, 0.3136,  
0.3039

 26.7302, 0.3169,  
0.1519

 96.1649, 0.3127,  
0.3286

 99.0583, 0.3128,  
0.3329

 99.1328, 0.3130,  
0.3329

 99.2075, 0.3133,  
0.3329

 99.2823, 0.3135,  
0.3329

# Harmonies

## Analogous

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



41.7720, 0.2203, 0.1780



41.7720, 0.3166, 0.2073



41.7720, 0.4313, 0.2595

# Triad

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



41.7720, 0.3166, 0.2073



41.7720, 0.4667, 0.4734



41.7720, 0.1461, 0.2824

# Complementary

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



41.7720, 0.3166, 0.2073



74.9698, 0.3062, 0.4889

# 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.



41.7720, 0.1935, 0.4049



41.7720, 0.3166, 0.2073



41.7720, 0.3778, 0.5306

# Square

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



41.7720, 0.3166, 0.2073



41.7720, 0.5212, 0.3978



41.7720, 0.2784, 0.5146



41.7720, 0.1372, 0.2068



# Rectangle

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



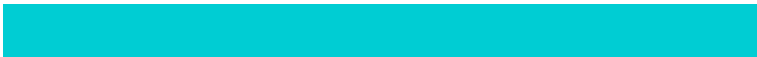
41.7720, 0.3166, 0.2073



41.7720, 0.4927, 0.3025



41.7720, 0.2784, 0.5146



41.7720, 0.1573, 0.3191

# Sweetspot

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



41.7739, 0.3166, 0.2073



77.8615, 0.3140, 0.2917



26.5430, 0.2165, 0.1717



16.0794, 0.3142, 0.2864



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.



41.7739, 0.3166, 0.2073



37.5231, 0.3170, 0.1884



38.9041, 0.3796, 0.2617



17.5096, 0.3136, 0.3056



14.0617, 0.3169, 0.1520



1.3067, 0.3174, 0.1522



# Inverse Universe

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



36.7156, 0.4542, 0.3274



31.7712, 0.4998, 0.3273



76.8765, 0.2767, 0.4107



17.2297, 0.3292, 0.3287



10.7871, 0.6384, 0.3291



1.0006, 0.6344, 0.3268



# Previews

## White Background



This preview shows how the Yxy color 41.7720, 0.3166, 0.2073 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

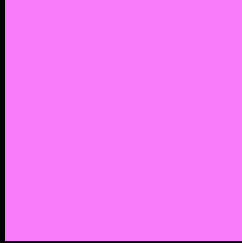
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.7720, 0.3166, 0.2073 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

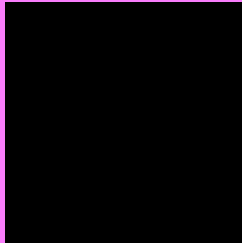
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.7720, 0.3166, 0.2073**

## Background



This preview shows how black text looks on a background with the Yxy color 41.7720, 0.3166, 0.2073.



This preview shows how white text looks on a background with the Yxy color 41.7720, 0.3166, 0.2073.

# 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

41.7720, 0.3166, 0.2073

### Protanopia

42.2751, 0.2361, 0.2263

### Deuteranopia

41.9864, 0.2454, 0.2389



## Tritanopia

41.6875, 0.3935, 0.3168

# Trichromacy



## Original Color

41.7720, 0.3166, 0.2073



## Protanomaly

40.2120, 0.2594, 0.2140



## Deuteranomaly

40.0793, 0.2668, 0.2218



## Tritanomaly

41.2627, 0.3645, 0.2726

# Monochromacy



## Original Color

41.7720, 0.3166, 0.2073



## Achromatopsia

43.4154, 0.3127, 0.3290



## Achromatomaly

41.1222, 0.3153, 0.2732

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.7720, 0.3166, 0.2073 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(249, 125, 251)` looks like.

```
.text, #text, p{  
    color:rgb(249, 125, 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(249, 125, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 125, 251) }
```

## Border

The CSS property to change the border of an element to Yxy 41.7720, 0.3166, 0.2073 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(249, 125, 251) }
```

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

```
.border{ border-color:rgb(249, 125, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 125, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 125, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 125, 251);  
box-shadow:4px 4px 4px 4px rgb(249, 125,  
251) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.7720, 0.3166, 0.2073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 125, 251) }
```

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

```
.background{ background-color: rgb(249,  
125, 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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