

# Converting Colors

Yxy(39.6399, 0.3177, 0.2024)

Have a look what the booklet for  
Yxy(39.6399, 0.3177, 0.2024)  
contains.

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# Color

**Yxy(39.7529, 0.3177, 0.2028)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F876F9
RGB	248, 118, 249
RGB Percent	97%, 46%, 98%
CMY	0.0276, 0.5371, 0.0236
CMYK	0.00, 0.53, 0.00, 0.02
HSL	300°, 92%, 72%
HSV	300°, 53%, 98%
XYZ	62.2756, 39.7529, 93.9917
YIQ	171.8040, 35.4290, 68.3010

# Conversions

## Conversions Part 2

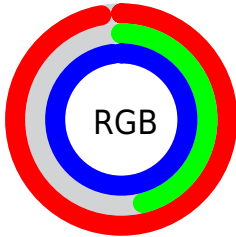
Format	Color
R <sub>Y</sub> B	248, 118, 249
Decimal	16283385
CIE Lab	69.29, 66.63, -43.37
CIE LCh	69, 79.505, 326.937
Yxy	39.7529, 0.3177, 0.2028
Android (android.graphics.Color)	4294473465 (0xFFFF876F9)
YUV	171.8040, 38.0576, 66.8239
Hunter-Lab	63.0499, 65.9706, -44.2517

# Details

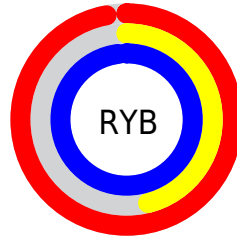
The Yxy color **39.7529, 0.3177, 0.2028** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **72.9701, 0.3053, 0.4977**, and the grayscale version is **40.9469, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.1399, 0.3164, 0.2508**, and **17.8563, 0.3161, 0.1758** is the 20% darker color. If you saturate the color by 10%, you get **34.6069, 0.3183, 0.1847**, and if you desaturate by 10%, it is **46.4498, 0.3169, 0.2241**.

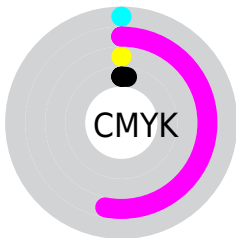
# Distribution



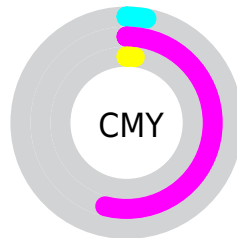
- Red (97%)
- Green (46%)
- Blue (98%)



- Red (97%)
- Yellow (46%)
- Blue (98%)



- Cyan (0%)
- Magenta (53%)
- Yellow (0%)
- Black (2%)




- Cyan (3%)
- Magenta (54%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.7529, 0.3177, 0.2028 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 39.7529, 0.3177, 0.2028 by changing the saturation by 10% instead.





 39.7529, 0.3177,  
0.2028


 39.7529, 0.3177,  
0.2028


345.0810, 0.3179,  
0.2595


 27.3459, 0.3170,  
0.1905


 74.7871, 0.3183,  
0.2220

 17.8332, 0.3158,  
0.1757


 98.1831, 0.3183,  
0.2296

 10.8303, 0.3138,  
0.1576


 126.0109, 0.3183,  
0.2363

 5.9528, 0.3103,  
0.1353

158.6550, 0.3183,  
0.2421

 2.8164, 0.3040,  
0.1076

196.4996, 0.3182,  
0.2472

 1.0367, 0.2920,  
0.0734

239.9292, 0.3181,

 0.0000, 0.2772,

0.2518

0.0000

289.3282, 0.3180,  
0.2559

0.0000, 0.2025,  
0.0000

0.0000, 0.0000,  
0.0000

39.7529, 0.3177,  
0.2028

39.7529, 0.3177,  
0.2028

34.6069, 0.3183,  
0.1847

46.4498, 0.3169,  
0.2241

30.8820, 0.3188,  
0.1705


54.8033, 0.3160,  
0.2478


28.4361, 0.3190,  
0.1606


64.9159, 0.3150,  
0.2726

27.0952, 0.3190,  
0.1551

76.8806, 0.3140,  
0.2979

 26.6219, 0.3190,  
0.1531

 90.7836, 0.3130,  
0.3227

 98.5191, 0.3125,  
0.3348

 98.5544, 0.3127,  
0.3348

 98.5898, 0.3128,  
0.3348

 98.6252, 0.3129,  
0.3348

# Harmonies

## Analogous

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



39.7529, 0.2168, 0.1724



39.7529, 0.3177, 0.2028



39.7529, 0.4387, 0.2568

# Triad

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



39.7529, 0.3177, 0.2028



39.7529, 0.4707, 0.4785



39.7529, 0.1388, 0.2777

# Complementary

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



39.7529, 0.3177, 0.2028



72.9701, 0.3053, 0.4977

# 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.



39.7529, 0.1866, 0.4073



39.7529, 0.3177, 0.2028



39.7529, 0.3773, 0.5408

# Square

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



39.7529, 0.3177, 0.2028



39.7529, 0.5299, 0.3990



39.7529, 0.2741, 0.5254



39.7529, 0.1306, 0.2003



# Rectangle

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



39.7529, 0.3177, 0.2028



39.7529, 0.5030, 0.3010



39.7529, 0.2741, 0.5254



39.7529, 0.1499, 0.3162

# Sweetspot

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



39.7547, 0.3177, 0.2028



76.6148, 0.3144, 0.2892



24.1794, 0.2114, 0.1633



15.8368, 0.3146, 0.2840



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.



39.7547, 0.3177, 0.2028



36.3136, 0.3183, 0.1839



36.6338, 0.3843, 0.2589



17.5174, 0.3137, 0.3056



14.2568, 0.3190, 0.1531



1.3226, 0.3192, 0.1532



# Inverse Universe

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



34.4349, 0.4661, 0.3284



30.1648, 0.5158, 0.3285



74.9395, 0.2756, 0.4154



17.2274, 0.3293, 0.3289



10.7837, 0.6393, 0.3295



0.9995, 0.6373, 0.3284



# Previews

## White Background



This preview shows how the Yxy color 39.7529, 0.3177, 0.2028 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

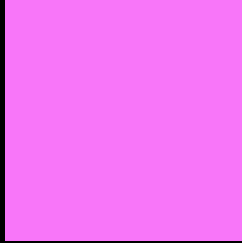
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.7529, 0.3177, 0.2028 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 39.7529, 0.3177, 0.2028**

## Background



This preview shows how black text looks on a background with the Yxy color 39.7529, 0.3177, 0.2028.

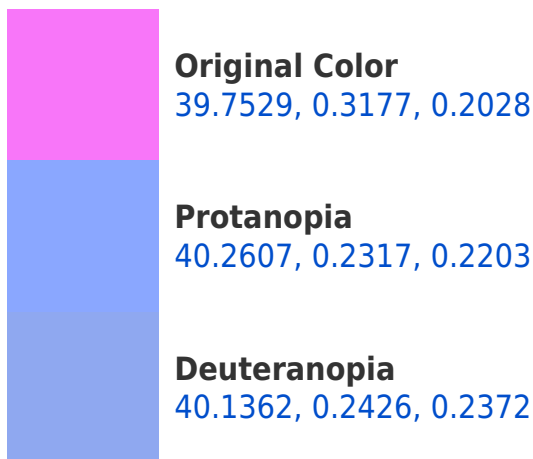


This preview shows how white text looks on a background with the Yxy color 39.7529, 0.3177, 0.2028.

# 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





## Tritanopia

39.4788, 0.4014, 0.3168

# Trichromacy



## Original Color

39.7529, 0.3177, 0.2028



## Protanomaly

38.0517, 0.2564, 0.2083



## Deuteranomaly

38.1075, 0.2652, 0.2191



## Tritanomaly

38.9312, 0.3693, 0.2692

# Monochromacy



## Original Color

39.7529, 0.3177, 0.2028



## Achromatopsia

41.2543, 0.3127, 0.3290



## Achromatomaly

38.9060, 0.3155, 0.2699

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.7529, 0.3177, 0.2028 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(248, 118, 249)` looks like.

```
.text, #text, p{  
    color:rgb(248, 118, 249)  
}
```

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(248, 118, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 118, 249) }
```

## Border

The CSS property to change the border of an element to Yxy 39.7529, 0.3177, 0.2028 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(248, 118, 249) }
```

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

```
.border{ border-color:rgb(248, 118, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 118, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 118, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 118, 249);  
box-shadow:4px 4px 4px 4px rgb(248, 118,  
249) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.7529, 0.3177, 0.2028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 118, 249) }
```

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

```
.background{ background-color: rgb(248,  
118, 249) }
```

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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