

# Converting Colors

Yxy(46.0365, 0.3281, 0.2310)

Have a look what the booklet for  
Yxy(46.0365, 0.3281, 0.2310)  
contains.

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# Color

**Yxy(46.0365, 0.3281, 0.2310)**

# Conversions

Conversions Part 1	
Format	Color
Hex	FC8DF0
RGB	252, 141, 240
RGB Percent	99%, 55%, 94%
CMY	0.0119, 0.4469, 0.0589
CMYK	0.00, 0.44, 0.05, 0.01
HSL	306°, 95%, 77%
HSV	306°, 44%, 99%
XYZ	65.3878, 46.0365, 87.8679
YIQ	185.4750, 34.3770, 54.3210

# Conversions

## Conversions Part 2

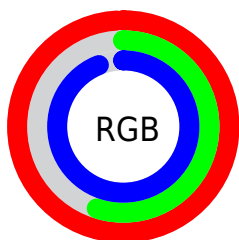
Format	Color
<a href="#">RYB</a>	<a href="#">252, 141, 240</a>
Decimal	<a href="#">16551408</a>
CIELab	<a href="#">73.57, 55.32, -31.77</a>
CIELCh	<a href="#">74, 63.792, 330.127</a>
Yxy	<a href="#">46.0365, 0.3281, 0.2310</a>
Android (android.graphics.Color)	<a href="#">4294741488</a> (0xFFFC8DF0)
YUV	<a href="#">185.4750, 26.8808, 58.3424</a>
Hunter-Lab	<a href="#">67.8502, 53.2840, -29.2871</a>

# Details

The Yxy color **46.0365, 0.3281, 0.2310** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **77.5669, 0.3005, 0.4523**, and the grayscale version is **48.6301, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4125, 0.3154, 0.2722**, and **21.6145, 0.3294, 0.2091** is the 20% darker color. If you saturate the color by 10%, you get **39.2719, 0.3323, 0.2116**, and if you desaturate by 10%, it is **54.4979, 0.3241, 0.2525**.

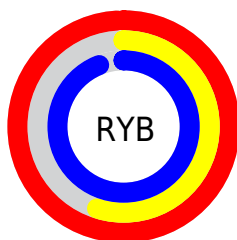
# Distribution



Red (99%)

Green (55%)

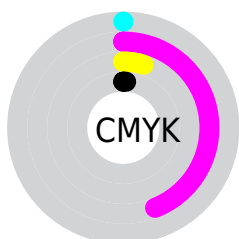
Blue (94%)



Red (99%)

Yellow (55%)

Blue (94%)

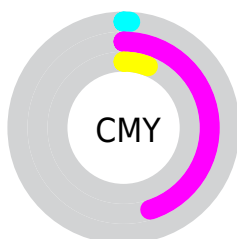


Cyan (0%)

Magenta (44%)

Yellow (5%)

Black (1%)



Cyan (1%)

Magenta (45%)


Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.0365, 0.3281, 0.2310 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 46.0365, 0.3281, 0.2310 by changing the saturation by 10% instead.





 46.0365, 0.3281,  
0.2310

 46.0365, 0.3281,  
0.2310


370.9554, 0.3222,  
0.2756

 32.2746, 0.3291,  
0.2211


 84.2736, 0.3263,  
0.2463

 21.5713, 0.3302,  
0.2091


 109.5177, 0.3255,  
0.2522

 13.5423, 0.3313,  
0.1941


139.3579, 0.3248,  
0.2574

 7.8030, 0.3323,  
0.1752

174.1786, 0.3242,  
0.2620

 3.9692, 0.3327,  
0.1507

214.3644, 0.3236,  
0.2660

 1.6563, 0.3313,  
0.1182


260.2995, 0.3231,


 0.3951, 0.3291,


0.2695

0.0628


312.3684, 0.3226,  
0.2727

 0.0000, 0.3056,  
0.0000


 0.0000, 0.0000,  
0.0000

 46.0365, 0.3281,  
0.2310


 46.0365, 0.3281,  
0.2310


 39.2719, 0.3323,  
0.2116


 54.4979, 0.3241,  
0.2525

 34.0816, 0.3366,  
0.1952


 64.7549, 0.3203,  
0.2751


 30.3370, 0.3409,  
0.1827

 76.9063, 0.3169,  
0.2979

 27.8865, 0.3449,  
0.1747

 91.0419, 0.3138,  
0.3202

 26.5446, 0.3486, 99.3394, 0.3116,  
0.1711 0.3303

 26.1127, 0.3508, 99.4297, 0.3108,  
0.1706 0.3290

# Harmonies

## Analogous

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



46.0365, 0.2449, 0.2029



46.0365, 0.3281, 0.2310



46.0365, 0.4189, 0.2786

# Triad

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



46.0365, 0.3281, 0.2310



46.0365, 0.4376, 0.4609



46.0365, 0.1703, 0.2845

# Complementary

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



46.0365, 0.3281, 0.2310



77.5669, 0.3005, 0.4523

# 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.



46.0365, 0.2091, 0.3781



46.0365, 0.3281, 0.2310



46.0365, 0.3625, 0.4945

# Square

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



46.0365, 0.3281, 0.2310



46.0365, 0.4834, 0.4012



46.0365, 0.2789, 0.4666



46.0365, 0.1646, 0.2241



# Rectangle

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



46.0365, 0.3281, 0.2310



46.0365, 0.4647, 0.3172



46.0365, 0.2789, 0.4666



46.0365, 0.1794, 0.3129

# Sweetspot

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



46.0386, 0.3281, 0.2310



80.4145, 0.3166, 0.3002



32.7719, 0.2369, 0.1938



16.5750, 0.3173, 0.2952



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.



46.0386, 0.3281, 0.2310



40.9722, 0.3319, 0.2134



43.2679, 0.3818, 0.2826



17.4904, 0.3155, 0.3081



13.6196, 0.3502, 0.1703



1.2704, 0.3462, 0.1681



# Inverse Universe

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



46.0386, 0.3281, 0.2310



40.9722, 0.3319, 0.2134



79.8007, 0.2737, 0.3823



17.4904, 0.3155, 0.3081



13.6196, 0.3502, 0.1703

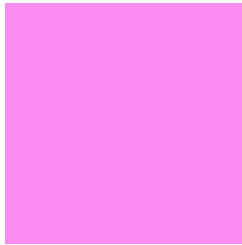


1.2704, 0.3462, 0.1681



# Previews

## White Background



This preview shows how the Yxy color 46.0365, 0.3281, 0.2310 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

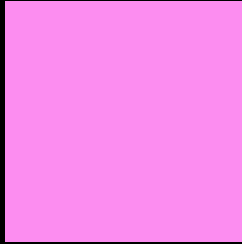
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.0365, 0.3281, 0.2310 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

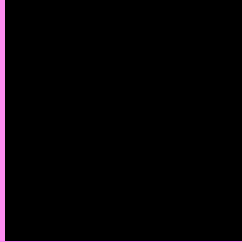
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.0365, 0.3281, 0.2310**

## Background



This preview shows how black text looks on a background with the Yxy color 46.0365, 0.3281, 0.2310.



This preview shows how white text looks on a background with the Yxy color 46.0365, 0.3281, 0.2310.

# 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

46.0365, 0.3281, 0.2310

### Protanopia

46.6283, 0.2456, 0.2382

### Deuteranopia

46.3819, 0.2674, 0.2615





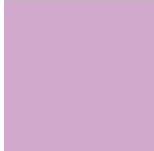
## Tritanopia

45.9958, 0.3867, 0.3171

# Trichromacy

	<b>Original Color</b> 46.0365, 0.3281, 0.2310
	<b>Protanomaly</b> 45.0189, 0.2706, 0.2323
	<b>Deuteranomaly</b> 45.2458, 0.2864, 0.2473
	<b>Tritanomaly</b> 45.6211, 0.3649, 0.2831

# Monochromacy

	<b>Original Color</b> 46.0365, 0.3281, 0.2310
	<b>Achromatopsia</b> 48.5150, 0.3127, 0.3290
	<b>Achromatomaly</b> 46.3390, 0.3183, 0.2863

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.0365, 0.3281, 0.2310 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, 141, 240) looks like.

```
.text, #text, p{  
    color:rgb(252, 141, 240)  
}
```

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, 141, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 141, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 46.0365, 0.3281, 0.2310 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, 141, 240) }
```

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

```
.border{ border-color:rgb(252, 141, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 141, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 141, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 141, 240);  
box-shadow:4px 4px 4px 4px rgb(252, 141,  
240) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.0365, 0.3281, 0.2310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 141, 240) }
```

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

```
.background{ background-color: rgb(252,  
141, 240) }
```

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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