

Converting Colors

$Y_{xy}(76.4114, 0.3163, 0.2914)$

Have a look what the booklet for
Yxy(76.4114, 0.3163, 0.2914)
contains.

Yxy(76.3814, 0.3166, 0.2919)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(76.3814, 0.3166, 0.2919)

Conversions

Conversions Part 1

Format	Color
Hex	FFD6FC
RGB	255, 214, 252
RGB Percent	100%, 84%, 99%
CMY	0.0001, 0.1607, 0.0119
CMYK	0.00, 0.16, 0.01, 0.00
HSL	304°, 100%, 92%
HSV	304°, 16%, 100%
XYZ	82.8446, 76.3814, 102.4437
YIQ	230.5910, 12.2380, 20.5100

Conversions

Conversions Part 2

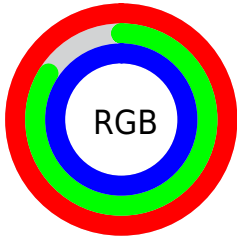
Format	Color
R _Y B	255, 214, 252
Decimal	16766716
CIE Lab	90.04, 20.56, -13.16
CIE LCh	90, 24.412, 327.390
Yxy	76.3814, 0.3166, 0.2919
Android (android.graphics.Color)	4294956796 (0xFFFFD6FC)
YUV	230.5910, 10.5546, 21.4067
Hunter-Lab	87.3965, 16.2595, -8.3206

Details

The Yxy color $76.3814, 0.3166, 0.2919$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $90.8122, 0.3090, 0.3691$, and the grayscale version is $79.5042, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $40.7422, 0.3176, 0.2842$ is the 20% darker color. If you saturate the color by 10%, you get $64.3536, 0.3193, 0.2683$, and if you desaturate by 10%, it is $90.4370, 0.3141, 0.3152$.

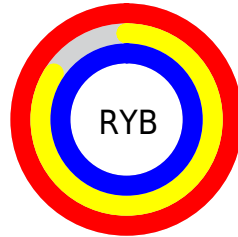
Distribution



Red (100%)

Green (84%)

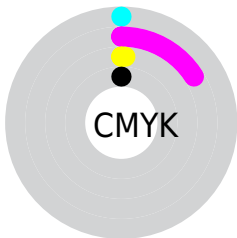
Blue (99%)



Red (100%)

Yellow (84%)

Blue (99%)

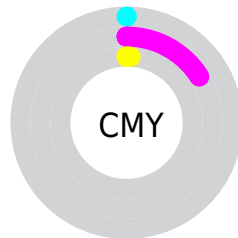


Cyan (0%)

Magenta (16%)

Yellow (1%)

Black (0%)



Cyan (0%)

Magenta (16%)


Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.3814, 0.3166, 0.2919 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 76.3814, 0.3166, 0.2919 by changing the saturation by 10% instead.

 76.3814, 0.3166,
0.2919

 76.3814, 0.3166,
0.2919


482.6523, 0.3150,
0.3084

 56.7453, 0.3169,
0.2883


128.2659, 0.3161,
0.2975

 40.8008, 0.3172,
0.2839

161.2831, 0.3159,
0.2997

 28.1635, 0.3177,
0.2784


199.5294, 0.3157,
0.3016

 18.4489, 0.3181,
0.2715

243.3893, 0.3156,
0.3033

 11.2728, 0.3186,
0.2624

293.2472, 0.3154,
0.3048

 6.2506, 0.3192,
0.2498

349.4873, 0.3153,

 2.9981, 0.3197,

0.3061

0.2316

412.4943, 0.3152,
0.3073

■ 1.1307, 0.3195,
0.2029

■ 0.0040, 0.3527,
0.0028

■ 76.3814, 0.3166,
0.2919

■ 76.3814, 0.3166,
0.2919

■ 64.3536, 0.3193,
0.2683

■ 90.4370, 0.3141,
0.3152

■ 54.2499, 0.3223,
0.2452

99.9946, 0.3127,
0.3290

■ 45.9726, 0.3254,
0.2235

■ 39.4113, 0.3285,
0.2041

■ 34.4438, 0.3316,
0.1881

■ 30.9317, 0.3346,
0.1762

■ 28.7132, 0.3373,
0.1687

■ 27.5872, 0.3397,
0.1655

■ 27.3262, 0.3406,
0.1650

Harmonies

Analogous

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



76.3814, 0.2883, 0.2820



76.3814, 0.3166, 0.2919



76.3814, 0.3450, 0.3106

Triad

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



76.3814, 0.3166, 0.2919



76.3814, 0.3591, 0.3751



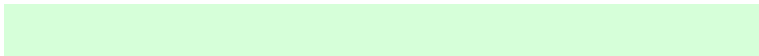
76.3814, 0.2630, 0.3201

Complementary

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



76.3814, 0.3166, 0.2919



90.8122, 0.3090, 0.3691

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.



76.3814, 0.2804, 0.3478



76.3814, 0.3166, 0.2919



76.3814, 0.3357, 0.3806

Square

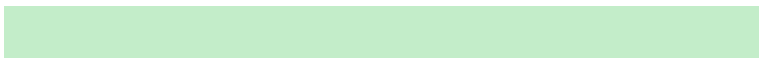
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.3814, 0.3166, 0.2919



76.3814, 0.3701, 0.3576



76.3814, 0.3068, 0.3706



76.3814, 0.2584, 0.2967

Rectangle

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



76.3814, 0.3166, 0.2919



76.3814, 0.3598, 0.3261



76.3814, 0.3068, 0.3706



76.3814, 0.2675, 0.3293

Sweetspot

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



76.3847, 0.3166, 0.2919



92.0731, 0.3139, 0.3177



70.0358, 0.2883, 0.2858



19.4781, 0.3140, 0.3161



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.



76.3847, 0.3166, 0.2919



72.6611, 0.3174, 0.2850



75.1715, 0.3305, 0.3113



18.2760, 0.3149, 0.3073



14.2919, 0.3403, 0.1648



1.3982, 0.3378, 0.1635

Inverse Universe

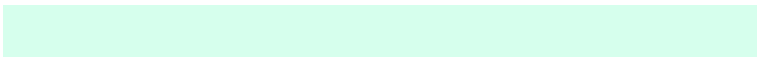
The Inverse Universe completely reimagines the original color for something new.



76.3847, 0.3166, 0.2919



72.6611, 0.3174, 0.2850



91.9287, 0.2978, 0.3474



18.2760, 0.3149, 0.3073



14.2919, 0.3403, 0.1648



1.3982, 0.3378, 0.1635

Previews

White Background



This preview shows how the Yxy color 76.3814, 0.3166, 0.2919 looks on a white background.

Color Contrast Check

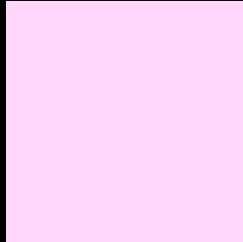
Large Text (above 18pt) WCAG AA × Fail

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 76.3814, 0.3166, 0.2919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

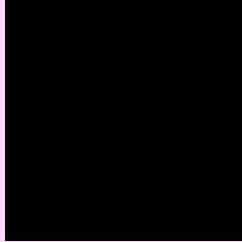
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.3814, 0.3166, 0.2919

Background



This preview shows how black text looks on a background with the Yxy color 76.3814, 0.3166, 0.2919.

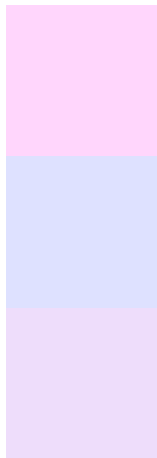


This preview shows how white text looks on a background with the Yxy color 76.3814, 0.3166, 0.2919.

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

76.3814, 0.3166, 0.2919

Protanopia

76.6000, 0.2921, 0.2979

Deuteranopia

76.8551, 0.3051, 0.2986



Tritanopia

76.2617, 0.3265, 0.3120

Trichromacy



Original Color

76.3814, 0.3166, 0.2919

Protanomaly

76.3611, 0.3006, 0.2955

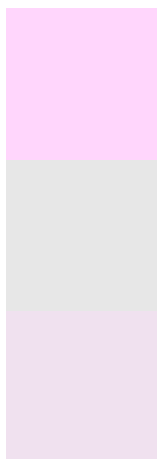
Deuteranomaly

76.3409, 0.3094, 0.2960

Tritanomaly

76.3453, 0.3225, 0.3042

Monochromacy



Original Color

76.3814, 0.3166, 0.2919

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

78.6077, 0.3141, 0.3147

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.3814, 0.3166, 0.2919 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, 214, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 214, 252)  
}
```

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, 214, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 214, 252) }
```

Border

The CSS property to change the border of an element to Yxy 76.3814, 0.3166, 0.2919 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, 214, 252) }
```

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

```
.border{ border-color:rgb(255, 214, 252) }
```

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

Here you see how a box with a 4 pixel rgb(255, 214, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 214, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 214, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 214,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 76.3814, 0.3166, 0.2919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 214, 252) }
```

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

```
.background{ background-color: rgb(255,  
214, 252) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor