

# Converting Colors

$Y_{xy}(80.5576, 0.3151, 0.2981)$

Have a look what the booklet for  
Yxy(80.5576, 0.3151, 0.2981)  
contains.

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# Color

**Yxy(80.6583, 0.3149, 0.2979)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDEFE
RGB	255, 222, 254
RGB Percent	100%, 87%, 100%
CMY	0.0000, 0.1294, 0.0039
CMYK	0.00, 0.13, 0.00, 0.00
HSL	302°, 100%, 94%
HSV	302°, 13%, 100%
XYZ	85.2612, 80.6583, 104.8368
YIQ	235.5150, 9.3960, 16.9480

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 222, 254
Decimal	16768766
CIE <sub>Lab</sub>	91.98, 16.79, -11.32
CIE <sub>LCh</sub>	92, 20.247, 326.007
Yxy	80.6583, 0.3149, 0.2979
Android (android.graphics.Color)	4294958846 (0xFFFFDEFE)
YUV	235.5150, 9.1131, 17.0883
Hunter-Lab	89.8100, 12.2917, -6.3433

# Details

The Yxy color  $80.6583, 0.3149, 0.2979$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $92.3758, 0.3105, 0.3622$ , and the grayscale version is  $83.4095, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $43.6744, 0.3154, 0.2919$  is the 20% darker color. If you saturate the color by 10%, you get  $68.0681, 0.3167, 0.2733$ , and if you desaturate by 10%, it is  $95.2881, 0.3132, 0.3221$ .

# Distribution



- Red (100%)
- Green (87%)
- Blue (100%)



- Red (100%)
- Yellow (87%)
- Blue (100%)



- Cyan (0%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (13%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.6583, 0.3149, 0.2979 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 80.6583, 0.3149, 0.2979 by changing the saturation by 10% instead.




 80.6583, 0.3149,  
0.2979

 80.6583, 0.3149,  
0.2979


497.1486, 0.3141,  
0.3117

 60.2602, 0.3151,  
0.2949


134.2909, 0.3146,  
0.3026

 43.6284, 0.3152,  
0.2912


168.2942, 0.3145,  
0.3044

 30.3785, 0.3154,  
0.2867


207.6013, 0.3144,  
0.3060

 20.1260, 0.3156,  
0.2810

252.5967, 0.3143,  
0.3074

 12.4867, 0.3158,  
0.2734

303.6647, 0.3143,  
0.3087

 7.0761, 0.3160,  
0.2631

361.1898, 0.3142,

 3.5097, 0.3160,

0.3098

0.2481

425.5563, 0.3141,  
0.3108

■ 1.4033, 0.3155,  
0.2245

■ 0.2191, 0.3307,  
0.1173

■ 80.6583, 0.3149,  
0.2979

■ 80.6583, 0.3149,  
0.2979

■ 68.0681, 0.3167,  
0.2733

■ 95.2881, 0.3132,  
0.3221

■ 57.4394, 0.3185,  
0.2491

100.0000, 0.3127,  
0.3290

■ 48.6689, 0.3204,  
0.2261

■ 41.6495, 0.3223,  
0.2054

■ 36.2629, 0.3240,  
0.1878

■ 32.3764, 0.3256,  
0.1742

■ 29.8366, 0.3270,  
0.1649

■ 28.4570, 0.3281,  
0.1600

■ 27.9908, 0.3288,  
0.1585

# Harmonies

## Analogous

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



80.6583, 0.2919, 0.2902



80.6583, 0.3149, 0.2979



80.6583, 0.3381, 0.3131

# Triad

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



80.6583, 0.3149, 0.2979



80.6583, 0.3512, 0.3662



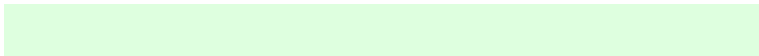
80.6583, 0.2724, 0.3231

# Complementary

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



80.6583, 0.3149, 0.2979



92.3758, 0.3105, 0.3622

# 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.



80.6583, 0.2873, 0.3453



80.6583, 0.3149, 0.2979



80.6583, 0.3327, 0.3708

# Square

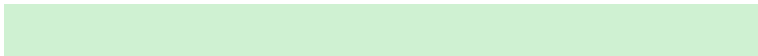
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.6583, 0.3149, 0.2979



80.6583, 0.3595, 0.3519



80.6583, 0.3092, 0.3632



80.6583, 0.2680, 0.3036



# Rectangle

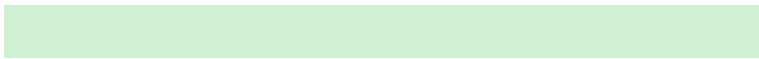
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.6583, 0.3149, 0.2979



80.6583, 0.3503, 0.3259



80.6583, 0.3092, 0.3632



80.6583, 0.2763, 0.3305

# Sweetspot

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



80.6538, 0.3149, 0.2979



93.6439, 0.3134, 0.3195



75.0736, 0.2923, 0.2947



19.7960, 0.3135, 0.3177



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.



80.6538, 0.3149, 0.2979



76.5948, 0.3154, 0.2904



79.6681, 0.3255, 0.3133



18.2903, 0.3143, 0.3063



14.6301, 0.3287, 0.1584



1.4274, 0.3277, 0.1579



# Inverse Universe

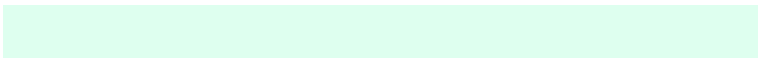
The Inverse Universe completely reimagines the original color for something new.



80.6538, 0.3149, 0.2979



76.5948, 0.3154, 0.2904



93.2830, 0.3016, 0.3453



18.2903, 0.3143, 0.3063



14.6301, 0.3287, 0.1584



1.4274, 0.3277, 0.1579



# Previews

## White Background



This preview shows how the Yxy color 80.6583, 0.3149, 0.2979 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

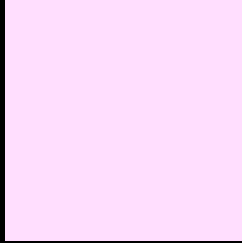
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.6583, 0.3149, 0.2979 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

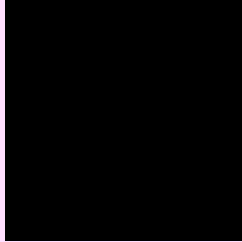
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

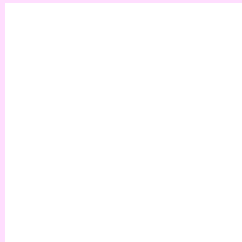
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 80.6583, 0.3149, 0.2979**

## Background



This preview shows how black text looks on a background with the Yxy color 80.6583, 0.3149, 0.2979.

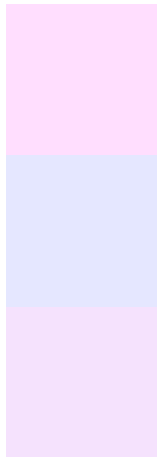


This preview shows how white text looks on a background with the Yxy color 80.6583, 0.3149, 0.2979.

# 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

80.6583, 0.3149, 0.2979

### Protanopia

81.0298, 0.2967, 0.3046

### Deuteranopia

80.8970, 0.3085, 0.3022



## Tritanopia

80.6048, 0.3212, 0.3112

# Trichromacy



## Original Color

80.6583, 0.3149, 0.2979

## Protanomaly

80.8839, 0.3026, 0.3019

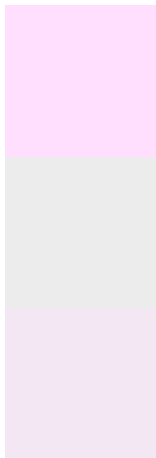
## Deuteranomaly

81.0820, 0.3113, 0.3015

## Tritanomaly

80.5000, 0.3194, 0.3064

# Monochromacy



## Original Color

80.6583, 0.3149, 0.2979

## Achromatopsia

83.8799, 0.3127, 0.3290

## Achromatomaly

82.6776, 0.3133, 0.3170

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.6583, 0.3149, 0.2979 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, 222, 254)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 254)  
}
```

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, 222, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 254) }
```

## Border

The CSS property to change the border of an element to Yxy 80.6583, 0.3149, 0.2979 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, 222, 254) }
```

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

```
.border{ border-color:rgb(255, 222, 254) }
```

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

Here you see how a box with a 4 pixel rgb(255, 222, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 254);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
254) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.6583, 0.3149, 0.2979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 222, 254) }
```

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

```
.background{ background-color: rgb(255,  
222, 254) }
```

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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