

# Converting Colors

$Yxy(80.2348, 0.2961, 0.2726)$

Have a look what the booklet for  
Yxy(80.2348, 0.2961, 0.2726)  
contains.

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# Color

**Yxy(78.7304, 0.3109, 0.2946)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FADCFF
RGB	250, 220, 255
RGB Percent	98%, 86%, 100%
CMY	0.0193, 0.1373, 0.0000
CMYK	0.02, 0.14, 0.00, 0.00
HSL	292°, 100%, 93%
HSV	292°, 14%, 100%
XYZ	83.0865, 78.7304, 105.4282
YIQ	232.9600, 6.6450, 17.2450

# Conversions

## Conversions Part 2

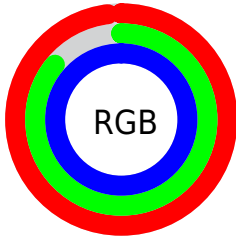
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	250, 220, 255
Decimal	16440575
CIE Lab	91.11, 16.39, -13.19
CIE LCh	91, 21.035, 321.183
Yxy	78.7304, 0.3109, 0.2946
Android (android.graphics.Color)	4294630655 (0xFFFADCF5)
YUV	232.9600, 10.8657, 14.9441
Hunter-Lab	88.7302, 11.8688, -8.3366

# Details

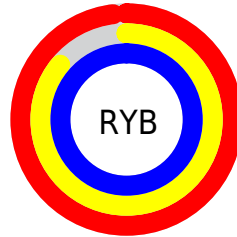
The Yxy color **78.7304, 0.3109, 0.2946** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **92.6793, 0.3141, 0.3652**, and the grayscale version is **81.3739, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.3249, 0.3102, 0.2876** is the 20% darker color. If you saturate the color by 10%, you get **65.6981, 0.3091, 0.2686**, and if you desaturate by 10%, it is **93.8229, 0.3123, 0.3199**.

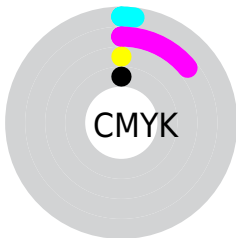
# Distribution



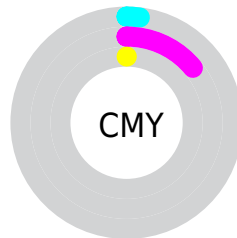
- Red (98%)
- Green (86%)
- Blue (100%)



- Red (98%)
- Yellow (86%)
- Blue (100%)



- Cyan (2%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)




- Cyan (2%)
- Magenta (14%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.7304, 0.3109, 0.2946 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 78.7304, 0.3109, 0.2946 by changing the saturation by 10% instead.




 78.7304, 0.3109,  
0.2946

 78.7304, 0.3109,  
0.2946


490.6438, 0.3119,  
0.3099

 58.6742, 0.3106,  
0.2913


131.5793, 0.3113,  
0.2998

 42.3509, 0.3103,  
0.2872


165.1407, 0.3114,  
0.3018

 29.3761, 0.3098,  
0.2822


203.9726, 0.3115,  
0.3036

 19.3655, 0.3092,  
0.2758

248.4594, 0.3116,  
0.3052

 11.9347, 0.3083,  
0.2673

298.9856, 0.3117,  
0.3066

 6.6992, 0.3069,  
0.2558

355.9354, 0.3118,

 3.2747, 0.3044,

0.3078

0.2390

419.6934, 0.3118,  
0.3089

■ 1.2768, 0.2996,  
0.2126

■ 0.1231, 0.3044,  
0.0725

■ 78.7304, 0.3109,  
0.2946

■ 78.7304, 0.3109,  
0.2946

■ 65.6981, 0.3091,  
0.2686

■ 93.8229, 0.3123,  
0.3199

■ 54.6245, 0.3070,  
0.2425

100.0000, 0.3127,  
0.3290

■ 45.4133, 0.3044,  
0.2172

■ 37.9565, 0.3014,  
0.1939

■ 32.1348, 0.2981,  
0.1734

■ 27.8140, 0.2946,  
0.1569

■ 24.8386, 0.2909,  
0.1448

■ 23.0186, 0.2872,  
0.1373

■ 22.2971, 0.2849,  
0.1343

# Harmonies

## Analogous

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



78.7304, 0.2875, 0.2880



78.7304, 0.3109, 0.2946



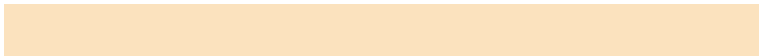
78.7304, 0.3357, 0.3094

# Triad

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



78.7304, 0.3109, 0.2946



78.7304, 0.3553, 0.3661



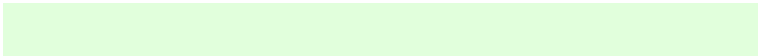
78.7304, 0.2724, 0.3264

# Complementary

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



78.7304, 0.3109, 0.2946



92.6793, 0.3141, 0.3652

# 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.



78.7304, 0.2894, 0.3496



78.7304, 0.3109, 0.2946



78.7304, 0.3372, 0.3729

# Square

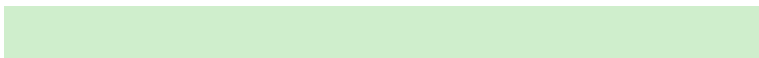
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



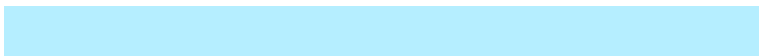
78.7304, 0.3109, 0.2946



78.7304, 0.3619, 0.3499



78.7304, 0.3130, 0.3670



78.7304, 0.2659, 0.3052



# Rectangle

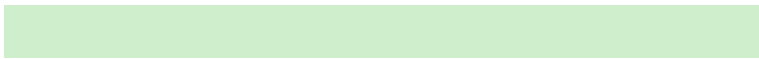
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.7304, 0.3109, 0.2946



78.7304, 0.3494, 0.3224



78.7304, 0.3130, 0.3670



78.7304, 0.2770, 0.3343

# Sweetspot

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



78.7335, 0.3109, 0.2946



93.3926, 0.3123, 0.3192



76.4095, 0.2908, 0.2980



19.7321, 0.3122, 0.3174



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.



78.7335, 0.3109, 0.2946



75.6015, 0.3105, 0.2888



78.8919, 0.3224, 0.3066



18.1632, 0.3115, 0.3054



11.7005, 0.2855, 0.1346



1.1733, 0.2898, 0.1370



# Inverse Universe

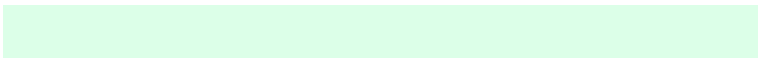
The Inverse Universe completely reimagines the original color for something new.



77.8676, 0.3347, 0.3241



74.6187, 0.3390, 0.3233



92.5723, 0.3041, 0.3525



18.0287, 0.3272, 0.3257



11.1876, 0.6217, 0.3198



1.1013, 0.5955, 0.3054



# Previews

## White Background



This preview shows how the Yxy color 78.7304, 0.3109, 0.2946 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

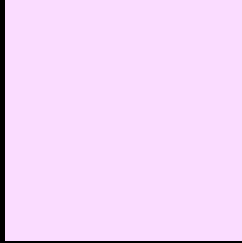
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.7304, 0.3109, 0.2946 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

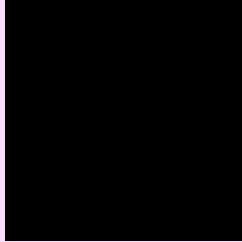
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

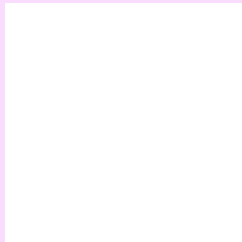
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.7304, 0.3109, 0.2946**

## Background



This preview shows how black text looks on a background with the Yxy color 78.7304, 0.3109, 0.2946.

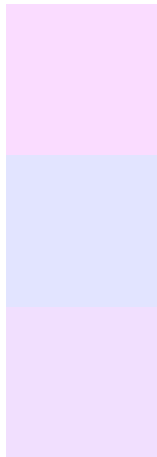


This preview shows how white text looks on a background with the Yxy color 78.7304, 0.3109, 0.2946.

# 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

78.7304, 0.3109, 0.2946

### Protanopia

78.8756, 0.2947, 0.3013

### Deuteranopia

78.6319, 0.3053, 0.2980



## Tritanopia

79.0231, 0.3191, 0.3120

# Trichromacy



## Original Color

78.7304, 0.3109, 0.2946

## Protanomaly

78.7326, 0.3006, 0.2987

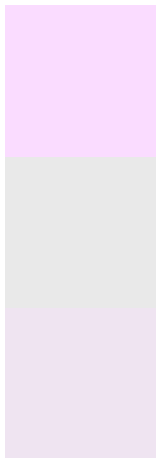
## Deuteranomaly

78.6314, 0.3073, 0.2972

## Tritanomaly

78.9749, 0.3166, 0.3061

# Monochromacy



## Original Color

78.7304, 0.3109, 0.2946

## Achromatopsia

81.4847, 0.3127, 0.3290

## Achromatomaly

80.1884, 0.3120, 0.3158

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.7304, 0.3109, 0.2946 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(250, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(250, 220, 255)  
}
```

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(250, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 220, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 78.7304, 0.3109, 0.2946 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(250, 220, 255) }
```

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

```
.border{ border-color:rgb(250, 220, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 220, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(250, 220,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.7304, 0.3109, 0.2946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 220, 255) }
```

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

```
.background{ background-color: rgb(250,  
220, 255) }
```

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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