

# Converting Colors

$Y_{xy}(78.9156, 0.3115, 0.2947)$

Have a look what the booklet for  
Yxy(78.9156, 0.3115, 0.2947)  
contains.

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# Color

**Yxy(78.9156, 0.3115, 0.2947)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBDCFF
RGB	251, 220, 255
RGB Percent	98%, 86%, 100%
CMY	0.0159, 0.1372, 0.0000
CMYK	0.02, 0.14, 0.00, 0.00
HSL	293°, 100%, 93%
HSV	293°, 14%, 100%
XYZ	83.4144, 78.9156, 105.4529
YIQ	233.2590, 7.2410, 17.4570

# Conversions

## Conversions Part 2

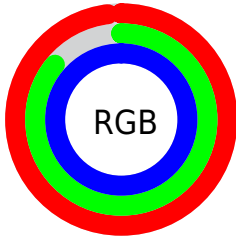
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	251, 220, 255
Decimal	16506111
CIE <sub>Lab</sub>	91.20, 16.66, -13.06
CIE <sub>LCh</sub>	91, 21.164, 321.907
Yxy	78.9156, 0.3115, 0.2947
Android (android.graphics.Color)	4294696191 (0xFFFFBDCFF)
YUV	233.2590, 10.7183, 15.5589
Hunter-Lab	88.8345, 12.1488, -8.1974

# Details

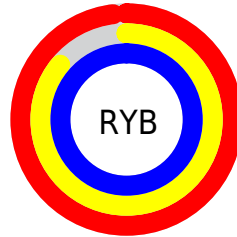
The Yxy color **78.9156, 0.3115, 0.2947** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **92.5475, 0.3135, 0.3652**, and the grayscale version is **81.6021, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.4568, 0.3110, 0.2877** is the 20% darker color. If you saturate the color by 10%, you get **65.9925, 0.3103, 0.2688**, and if you desaturate by 10%, it is **93.8940, 0.3124, 0.3199**.

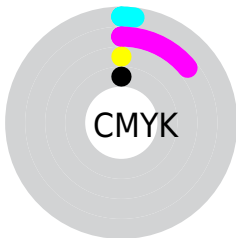
# Distribution



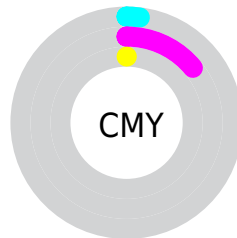
- Red (98%)
- Green (86%)
- Blue (100%)



- 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 78.9156, 0.3115, 0.2947 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 78.9156, 0.3115, 0.2947 by changing the saturation by 10% instead.



 78.9156, 0.3115,  
0.2947

 78.9156, 0.3115,  
0.2947

491.2708, 0.3122,  
0.3099

 58.8264, 0.3113,  
0.2914

131.8400, 0.3118,  
0.2999

 42.4734, 0.3110,  
0.2873

165.4441, 0.3119,  
0.3019

 29.4722, 0.3107,  
0.2823


204.3219, 0.3120,  
0.3037

 19.4383, 0.3102,  
0.2759

248.8578, 0.3120,  
0.3052

 11.9874, 0.3094,  
0.2676

299.4363, 0.3121,  
0.3066

 6.7351, 0.3082,  
0.2561

356.4416, 0.3121,

 3.2970, 0.3061,

0.3078

0.2394

420.2583, 0.3122,  
0.3089

■ 1.2887, 0.3018,  
0.2132

■ 0.1324, 0.3087,  
0.0768

■ 78.9156, 0.3115,  
0.2947

■ 78.9156, 0.3115,  
0.2947

■ 65.9925, 0.3103,  
0.2688

■ 93.8940, 0.3124,  
0.3199

■ 55.0248, 0.3087,  
0.2430

100.0000, 0.3127,  
0.3290

■ 45.9156, 0.3068,  
0.2180

■ 38.5570, 0.3045,  
0.1951

■ 32.8298, 0.3020,  
0.1752

■ 28.5998, 0.2992,  
0.1592

■ 25.7116, 0.2962,  
0.1476

■ 23.9754, 0.2932,  
0.1405

■ 23.3034, 0.2913,  
0.1378

# Harmonies

## Analogous

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



78.9156, 0.2879, 0.2878



78.9156, 0.3115, 0.2947



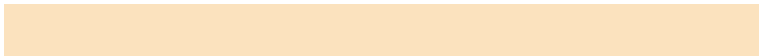
78.9156, 0.3363, 0.3098

# Triad

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



78.9156, 0.3115, 0.2947



78.9156, 0.3552, 0.3666



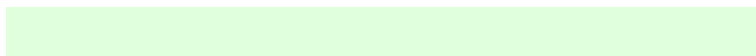
78.9156, 0.2719, 0.3259

# Complementary

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



78.9156, 0.3115, 0.2947



92.5475, 0.3135, 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.



78.9156, 0.2887, 0.3492



78.9156, 0.3115, 0.2947



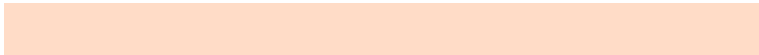
78.9156, 0.3368, 0.3731

# Square

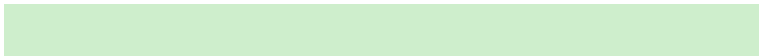
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.9156, 0.3115, 0.2947



78.9156, 0.3621, 0.3504



78.9156, 0.3124, 0.3669



78.9156, 0.2657, 0.3046



# Rectangle

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



78.9156, 0.3115, 0.2947



78.9156, 0.3500, 0.3228



78.9156, 0.3124, 0.3669



78.9156, 0.2765, 0.3338

# Sweetspot

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



78.9182, 0.3115, 0.2947



93.4405, 0.3124, 0.3192



75.8061, 0.2908, 0.2968



19.7443, 0.3124, 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.



78.9182, 0.3115, 0.2947



75.7894, 0.3113, 0.2888



78.8446, 0.3232, 0.3078



18.1873, 0.3119, 0.3055



12.2191, 0.2918, 0.1381



1.2187, 0.2953, 0.1401



# Inverse Universe

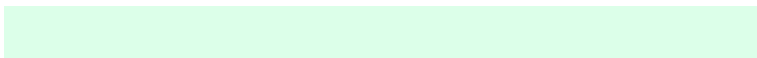
The Inverse Universe completely reimagines the original color for something new.



77.8441, 0.3353, 0.3250



74.5649, 0.3397, 0.3243



92.6470, 0.3035, 0.3512



18.0213, 0.3276, 0.3263



11.1673, 0.6263, 0.3224



1.0978, 0.6028, 0.3095



# Previews

## White Background



This preview shows how the Yxy color 78.9156, 0.3115, 0.2947 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

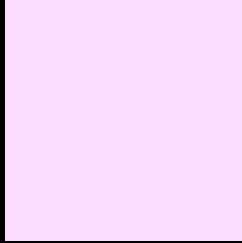
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.9156, 0.3115, 0.2947 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

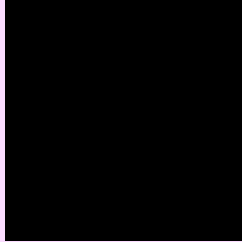
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.9156, 0.3115, 0.2947**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.9156, 0.3115, 0.2947.

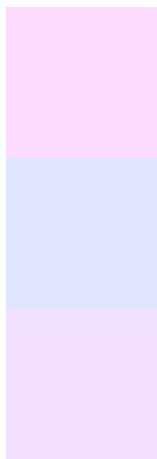


This preview shows how white text looks on a background with the Yxy color 78.9156, 0.3115, 0.2947.

# 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

78.9156, 0.3115, 0.2947

### Protanopia

79.4274, 0.2947, 0.3023

### Deuteranopia

79.1678, 0.3052, 0.2990



## Tritanopia

79.2064, 0.3198, 0.3120

# Trichromacy



## Original Color

78.9156, 0.3115, 0.2947

## Protanomaly

79.2749, 0.3006, 0.2997

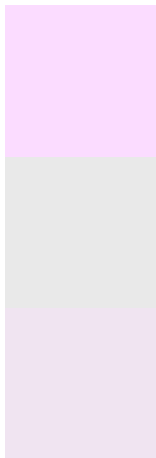
## Deuteranomaly

79.3436, 0.3080, 0.2982

## Tritanomaly

79.1591, 0.3173, 0.3062

# Monochromacy



## Original Color

78.9156, 0.3115, 0.2947

## Achromatopsia

81.4847, 0.3127, 0.3290

## Achromatomaly

80.3629, 0.3126, 0.3158

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.9156, 0.3115, 0.2947 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(251, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(251, 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(251, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 220, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 78.9156, 0.3115, 0.2947 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(251, 220, 255) }
```

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

```
.border{ border-color:rgb(251, 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(251, 220, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(251, 220,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.9156, 0.3115, 0.2947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 220, 255) }
```

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

```
.background{ background-color: rgb(251,  
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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