

# Converting Colors

$Y_{xy}(77.8355, 0.3174, 0.2965)$

Have a look what the booklet for  
Yxy(77.8355, 0.3174, 0.2965)  
contains.

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# Color

**Yxy(77.7878, 0.3178, 0.2967)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD9FA
RGB	255, 217, 250
RGB Percent	100%, 85%, 98%
CMY	0.0000, 0.1491, 0.0196
CMYK	0.00, 0.15, 0.02, 0.00
HSL	308°, 100%, 93%
HSV	308°, 15%, 100%
XYZ	83.3197, 77.7878, 101.0691
YIQ	232.1240, 12.0550, 18.3190

# Conversions

## Conversions Part 2

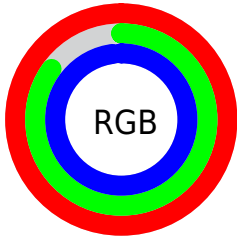
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 217, 250
Decimal	16767482
CIE <sub>Lab</sub>	90.68, 18.69, -11.16
CIE <sub>LCh</sub>	91, 21.766, 329.153
Yxy	77.7878, 0.3178, 0.2967
Android (android.graphics.Color)	4294957562 (0xFFFFD9FA)
YUV	232.1240, 8.8129, 20.0623
Hunter-Lab	88.1974, 14.2828, -6.2047

# Details

The Yxy color  $77.7878, 0.3178, 0.2967$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $91.5433, 0.3080, 0.3636$ , and the grayscale version is  $80.7149, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $41.7415, 0.3183, 0.2891$  is the 20% darker color. If you saturate the color by 10%, you get  $65.4300, 0.3217, 0.2744$ , and if you desaturate by 10%, it is  $92.1711, 0.3143, 0.3186$ .

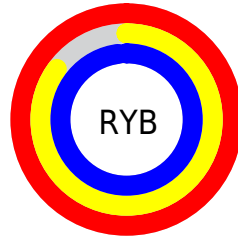
# Distribution



Red (100%)

Green (85%)

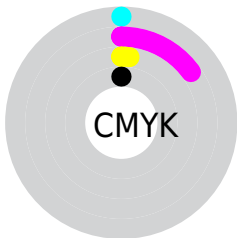
Blue (98%)



Red (100%)

Yellow (85%)

Blue (98%)

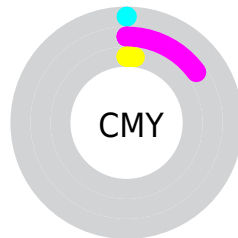


Cyan (0%)

Magenta (15%)

Yellow (2%)

Black (0%)



Cyan (0%)

Magenta (15%)


Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.7878, 0.3178, 0.2967 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 77.7878, 0.3178, 0.2967 by changing the saturation by 10% instead.



 77.7878, 0.3178,  
0.2967

 77.7878, 0.3178,  
0.2967


487.4459, 0.3157,  
0.3111

 57.8997, 0.3182,  
0.2935

130.2509, 0.3171,  
0.3016

 41.7280, 0.3188,  
0.2897

163.5948, 0.3168,  
0.3035

 28.8884, 0.3194,  
0.2849


202.1926, 0.3166,  
0.3052

 18.9964, 0.3202,  
0.2789

246.4288, 0.3163,  
0.3067

 11.6677, 0.3212,  
0.2709

296.6879, 0.3161,  
0.3080

 6.5178, 0.3224,  
0.2599

353.3542, 0.3160,

 3.1624, 0.3240,

0.3091

0.2438

416.8120, 0.3158,  
0.3101

■ 1.2171, 0.3259,  
0.2182

■ 0.0756, 0.3601,  
0.0516

■ 77.7878, 0.3178,  
0.2967

■ 77.7878, 0.3178,  
0.2967

■ 65.4300, 0.3217,  
0.2744

■ 92.1711, 0.3143,  
0.3186

■ 55.0184, 0.3261,  
0.2524

100.0000, 0.3127,  
0.3290

■ 46.4483, 0.3309,  
0.2314

■ 39.6105, 0.3359,  
0.2125

■ 34.3843, 0.3410,  
0.1968

■ 30.6334, 0.3461,  
0.1849

■ 28.1991, 0.3511,  
0.1776

■ 26.8861, 0.3557,  
0.1747

■ 26.5068, 0.3579,  
0.1745

# Harmonies

## Analogous

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



77.7878, 0.2924, 0.2873



77.7878, 0.3178, 0.2967



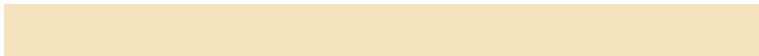
77.7878, 0.3427, 0.3138

# Triad

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



77.7878, 0.3178, 0.2967



77.7878, 0.3529, 0.3705



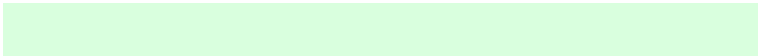
77.7878, 0.2679, 0.3199

# Complementary

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



77.7878, 0.3178, 0.2967



91.5433, 0.3080, 0.3636

# 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.



77.7878, 0.2829, 0.3442



77.7878, 0.3178, 0.2967



77.7878, 0.3318, 0.3744

# Square

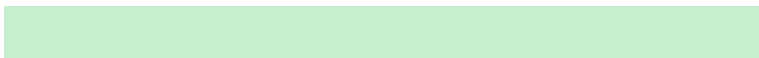
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.7878, 0.3178, 0.2967



77.7878, 0.3634, 0.3558



77.7878, 0.3061, 0.3647



77.7878, 0.2645, 0.2995



# Rectangle

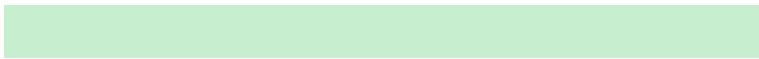
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.7878, 0.3178, 0.2967



77.7878, 0.3553, 0.3278



77.7878, 0.3061, 0.3647



77.7878, 0.2717, 0.3280

# Sweetspot

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



77.7832, 0.3178, 0.2967



93.5778, 0.3140, 0.3205



72.2797, 0.2915, 0.2893



19.7792, 0.3142, 0.3189



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.



77.7832, 0.3178, 0.2967



73.7476, 0.3189, 0.2898



76.6820, 0.3304, 0.3145



18.2569, 0.3158, 0.3086



13.8664, 0.3572, 0.1742



1.3611, 0.3525, 0.1715



# Inverse Universe

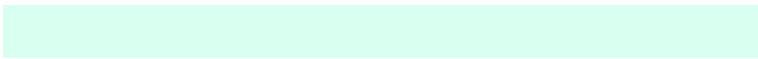
The Inverse Universe completely reimagines the original color for something new.



77.7832, 0.3178, 0.2967



73.7476, 0.3189, 0.2898



92.5871, 0.2978, 0.3440



18.2569, 0.3158, 0.3086



13.8664, 0.3572, 0.1742



1.3611, 0.3525, 0.1715



# Previews

## White Background



This preview shows how the Yxy color 77.7878, 0.3178, 0.2967 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

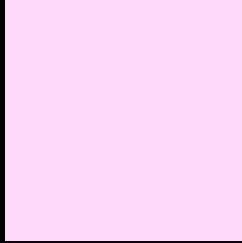
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.7878, 0.3178, 0.2967 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

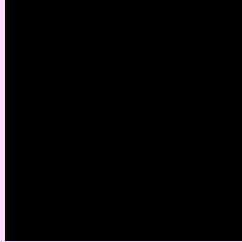
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 77.7878, 0.3178, 0.2967**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.7878, 0.3178, 0.2967.

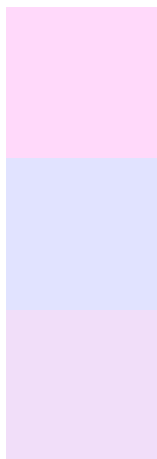


This preview shows how white text looks on a background with the Yxy color 77.7878, 0.3178, 0.2967.

# 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

77.7878, 0.3178, 0.2967

### Protanopia

78.1657, 0.2941, 0.3002

### Deuteranopia

77.7829, 0.3085, 0.3018



## Tritanopia

77.6018, 0.3257, 0.3121

# Trichromacy



## Original Color

77.7878, 0.3178, 0.2967

## Protanomaly

77.7001, 0.3025, 0.2986

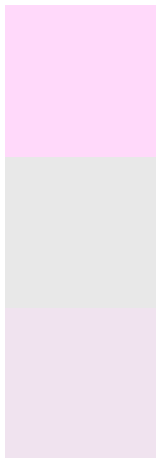
## Deuteranomaly

77.6188, 0.3120, 0.3001

## Tritanomaly

77.5645, 0.3231, 0.3063

# Monochromacy



## Original Color

77.7878, 0.3178, 0.2967

## Achromatopsia

80.6952, 0.3127, 0.3290

## Achromatomaly

79.6954, 0.3140, 0.3168

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.7878, 0.3178, 0.2967 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, 217, 250)` looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 250)  
}
```

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, 217, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 77.7878, 0.3178, 0.2967 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, 217, 250) }
```

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

```
.border{ border-color:rgb(255, 217, 250) }
```

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

Here you see how a box with a 4 pixel rgb(255, 217, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 217, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 217, 250);  
box-shadow:4px 4px 4px 4px rgb(255, 217,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.7878, 0.3178, 0.2967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 217, 250) }
```

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

```
.background{ background-color: rgb(255,  
217, 250) }
```

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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