

# Converting Colors

$Y_{xy}(78.8575, 0.3190, 0.3009)$

Have a look what the booklet for  
Yxy(78.8575, 0.3190, 0.3009)  
contains.

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# **Color**

**Yxy(78.7003, 0.3190, 0.3006)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDBF8
RGB	255, 219, 248
RGB Percent	100%, 86%, 97%
CMY	0.0000, 0.1412, 0.0275
CMYK	0.00, 0.14, 0.03, 0.00
HSL	312°, 100%, 93%
HSV	312°, 14%, 100%
XYZ	83.5176, 78.7003, 99.5928
YIQ	233.0700, 12.1470, 16.6510

# Conversions

## Conversions Part 2

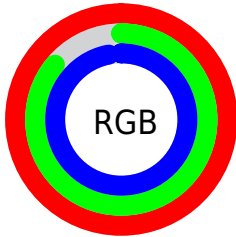
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 219, 248
Decimal	16767992
CIE Lab	91.10, 17.27, -9.49
CIE LCh	91, 19.709, 331.218
Yxy	78.7003, 0.3190, 0.3006
Android (android.graphics.Color)	4294958072 (0xFFFFDBF8)
YUV	233.0700, 7.3605, 19.2326
Hunter-Lab	88.7132, 12.7979, -4.4620

# Details

The Yxy color **78.7003, 0.3190, 0.3006** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **92.0716, 0.3070, 0.3592**, and the grayscale version is **81.4774, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.3625, 0.3199, 0.2941** is the 20% darker color. If you saturate the color by 10%, you get **66.0955, 0.3243, 0.2798**, and if you desaturate by 10%, it is **93.3529, 0.3144, 0.3209**.

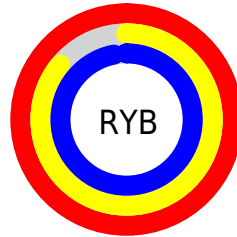
# Distribution



Red (100%)

Green (86%)

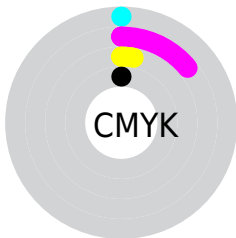
Blue (97%)



Red (100%)

Yellow (86%)

Blue (97%)

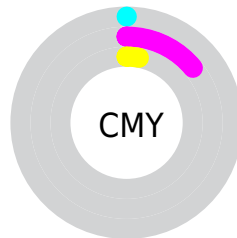


Cyan (0%)

Magenta (14%)

Yellow (3%)

Black (0%)



Cyan (0%)

Magenta (14%)


Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.7003, 0.3190, 0.3006 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 78.7003, 0.3190, 0.3006 by changing the saturation by 10% instead.




 78.7003, 0.3190,  
0.3006

 78.7003, 0.3190,  
0.3006


490.5419, 0.3163,  
0.3133

 58.6494, 0.3196,  
0.2978


131.5369, 0.3181,  
0.3049

 42.3310, 0.3203,  
0.2944


165.0913, 0.3177,  
0.3066

 29.3605, 0.3211,  
0.2902


203.9158, 0.3174,  
0.3081

 19.3537, 0.3222,  
0.2849


248.3947, 0.3171,  
0.3094

 11.9262, 0.3236,  
0.2778

298.9123, 0.3169,  
0.3105

 6.6934, 0.3255,  
0.2680

355.8531, 0.3167,

 3.2711, 0.3280,

0.3115

0.2537

419.6015, 0.3165,  
0.3124

■ 1.2749, 0.3317,  
0.2307

■ 0.1216, 0.3693,  
0.0836

■ 78.7003, 0.3190,  
0.3006

■ 78.7003, 0.3190,  
0.3006

■ 66.0955, 0.3243,  
0.2798

■ 93.3529, 0.3144,  
0.3209

■ 55.4435, 0.3302,  
0.2590

100.0000, 0.3127,  
0.3290

■ 46.6456, 0.3369,  
0.2391

■ 39.5932, 0.3440,  
0.2210

■ 34.1666, 0.3516,  
0.2058

■ 30.2310, 0.3593,  
0.1944

■ 27.6298, 0.3670,  
0.1876

■ 26.1714, 0.3743,  
0.1854

■ 25.6870, 0.3785,  
0.1859

# Harmonies

## Analogous

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



78.7003, 0.2959, 0.2915



78.7003, 0.3190, 0.3006



78.7003, 0.3411, 0.3166

# Triad

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



78.7003, 0.3190, 0.3006



78.7003, 0.3480, 0.3671



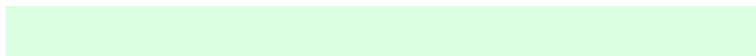
78.7003, 0.2716, 0.3195

# Complementary

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



78.7003, 0.3190, 0.3006



92.0716, 0.3070, 0.3592

# 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.



78.7003, 0.2846, 0.3413



78.7003, 0.3190, 0.3006



78.7003, 0.3285, 0.3696

# Square

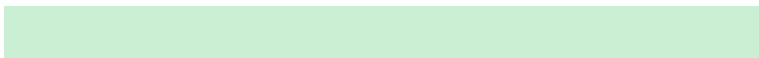
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.7003, 0.3190, 0.3006



78.7003, 0.3581, 0.3545



78.7003, 0.3052, 0.3601



78.7003, 0.2692, 0.3015



# Rectangle

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



78.7003, 0.3190, 0.3006



78.7003, 0.3520, 0.3294



78.7003, 0.3052, 0.3601



78.7003, 0.2749, 0.3266

# Sweetspot

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



78.7012, 0.3190, 0.3006



93.5367, 0.3144, 0.3211



73.9884, 0.2943, 0.2918



19.7687, 0.3147, 0.3196



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.



78.7012, 0.3190, 0.3006



74.8609, 0.3204, 0.2946



77.6597, 0.3310, 0.3177



18.2362, 0.3168, 0.3101



13.4435, 0.3773, 0.1852



1.3237, 0.3697, 0.1810



# Inverse Universe

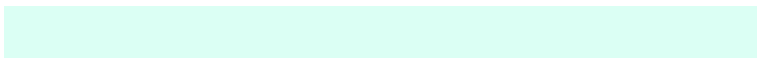
The Inverse Universe completely reimagines the original color for something new.



78.7012, 0.3190, 0.3006



74.8609, 0.3204, 0.2946



93.0878, 0.2973, 0.3406



18.2362, 0.3168, 0.3101



13.4435, 0.3773, 0.1852



1.3237, 0.3697, 0.1810



# Previews

## White Background



This preview shows how the Yxy color 78.7003, 0.3190, 0.3006 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

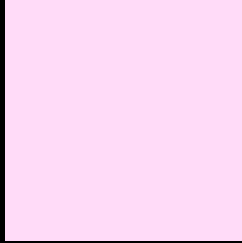
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.7003, 0.3190, 0.3006 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

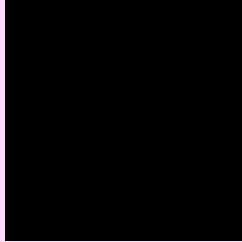
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.7003, 0.3190, 0.3006**

## Background



This preview shows how black text looks on a background with the Yxy color 78.7003, 0.3190, 0.3006.

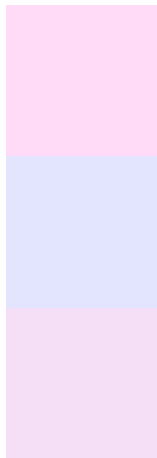


This preview shows how white text looks on a background with the Yxy color 78.7003, 0.3190, 0.3006.

# 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

78.7003, 0.3190, 0.3006

### Protanopia

78.9735, 0.2960, 0.3023

### Deuteranopia

78.7238, 0.3118, 0.3049



## Tritanopia

78.9568, 0.3249, 0.3122

# Trichromacy



## Original Color

78.7003, 0.3190, 0.3006

## Protanomaly

78.8832, 0.3038, 0.3017

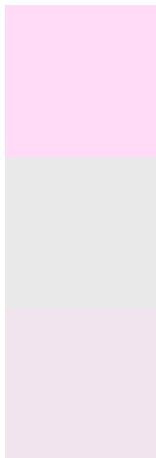
## Deuteranomaly

78.9144, 0.3146, 0.3041

## Tritanomaly

78.6680, 0.3222, 0.3073

# Monochromacy



## Original Color

78.7003, 0.3190, 0.3006

## Achromatopsia

81.4847, 0.3127, 0.3290

## Achromatomaly

80.3606, 0.3153, 0.3189

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.7003, 0.3190, 0.3006 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, 219, 248)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 248)  
}
```

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, 219, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 78.7003, 0.3190, 0.3006 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, 219, 248) }
```

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

```
.border{ border-color:rgb(255, 219, 248) }
```

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

Here you see how a box with a 4 pixel rgb(255, 219, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 219, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 219, 248);  
box-shadow:4px 4px 4px 4px rgb(255, 219,  
248) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.7003, 0.3190, 0.3006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 219, 248) }
```

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

```
.background{ background-color: rgb(255,  
219, 248) }
```

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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