

# Converting Colors

$Y_{xy}(73.9295, 0.3142, 0.2965)$

Have a look what the booklet for  
Yxy(73.9295, 0.3142, 0.2965)  
contains.

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# Color

**Yxy(73.8352, 0.3143, 0.2958)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F6D5F6
RGB	246, 213, 246
RGB Percent	96%, 84%, 96%
CMY	0.0351, 0.1648, 0.0352
CMYK	0.00, 0.13, 0.00, 0.04
HSL	300°, 65%, 90%
HSV	300°, 13%, 96%
XYZ	78.4530, 73.8352, 97.3237
YIQ	226.6290, 9.0750, 17.2590

# Conversions

## Conversions Part 2

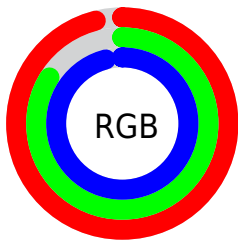
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	246, 213, 246
Decimal	16176630
CIE Lab	88.84, 17.11, -11.89
CIE LCh	89, 20.833, 325.199
Yxy	73.8352, 0.3143, 0.2958
Android (android.graphics.Color)	4294366710 (0xFFFF6D5F6)
YUV	226.6290, 9.5499, 16.9884
Hunter-Lab	85.9274, 12.6002, -7.0042

# Details

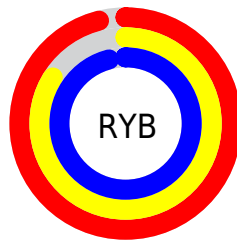
The Yxy color  $73.8352, 0.3143, 0.2958$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $84.8969, 0.3110, 0.3646$ , and the grayscale version is  $76.4638, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $39.1186, 0.3146, 0.2879$  is the 20% darker color. If you saturate the color by 10%, you get  $62.3846, 0.3155, 0.2706$ , and if you desaturate by 10%, it is  $87.1701, 0.3131, 0.3206$ .

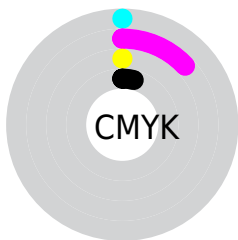
# Distribution



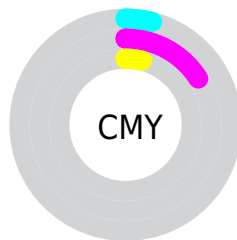
- Red (96%)
- Green (84%)
- Blue (96%)



- Red (96%)
- Yellow (84%)
- Blue (96%)



- Cyan (0%)
- Magenta (13%)
- Yellow (0%)
- Black (4%)



- Cyan (4%)
- Magenta (16%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.8352, 0.3143, 0.2958 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 73.8352, 0.3143, 0.2958 by changing the saturation by 10% instead.



 73.8352, 0.3143,  
0.2958

 73.8352, 0.3143,  
0.2958

473.9044, 0.3137,  
0.3107

 54.6592, 0.3144,  
0.2925


124.6622, 0.3141,  
0.3009

 39.1289, 0.3145,  
0.2885


157.0819, 0.3141,  
0.3029

 26.8600, 0.3146,  
0.2834

194.6850, 0.3140,  
0.3046

 17.4681, 0.3146,  
0.2770

237.8558, 0.3139,  
0.3062

 10.5688, 0.3146,  
0.2684

286.9787, 0.3139,  
0.3075

 5.7777, 0.3145,  
0.2565

342.4382, 0.3138,

 2.7104, 0.3139,

0.3087

0.2389

404.6186, 0.3138,  
0.3098

0.9825, 0.3119,  
0.2104

0.0000, 0.2996,  
0.0000

73.8352, 0.3143,  
0.2958

73.8352, 0.3143,  
0.2958

62.3846, 0.3155,  
0.2706

87.1701, 0.3131,  
0.3206

52.7243, 0.3167,  
0.2459

97.7825, 0.3123,  
0.3377

44.7667, 0.3178,  
0.2226

97.7841, 0.3123,  
0.3376

38.4132, 0.3188,  
0.2017

97.7858, 0.3123,  
0.3376

33.5548, 0.3197,  
0.1840

97.7875, 0.3123,  
0.3376

30.0694, 0.3204,  
0.1703

97.7892, 0.3122,  
0.3376

27.8153, 0.3208,  
0.1610

97.7908, 0.3122,  
0.3375

26.6202, 0.3211,  
0.1559

97.7925, 0.3122,  
0.3375

26.2446, 0.3212,  
0.1543

97.7942, 0.3122,  
0.3375

# Harmonies

## Analogous

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



73.8352, 0.2900, 0.2879



73.8352, 0.3143, 0.2958



73.8352, 0.3390, 0.3117

# Triad

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



73.8352, 0.3143, 0.2958



73.8352, 0.3539, 0.3681



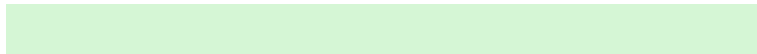
73.8352, 0.2704, 0.3233

# Complementary

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



73.8352, 0.3143, 0.2958



84.8969, 0.3110, 0.3646

# 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.



73.8352, 0.2863, 0.3469



73.8352, 0.3143, 0.2958



73.8352, 0.3344, 0.3734

# Square

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



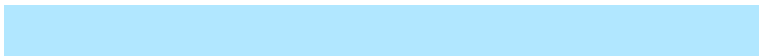
73.8352, 0.3143, 0.2958



73.8352, 0.3624, 0.3527



73.8352, 0.3096, 0.3657



73.8352, 0.2654, 0.3025



# Rectangle

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



73.8352, 0.3143, 0.2958



73.8352, 0.3521, 0.3251



73.8352, 0.3096, 0.3657



73.8352, 0.2746, 0.3312

# Sweetspot

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



73.8384, 0.3143, 0.2958



93.6631, 0.3132, 0.3193



68.3802, 0.2911, 0.2933



19.8009, 0.3133, 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.



73.8384, 0.3143, 0.2958



76.6715, 0.3146, 0.2893



72.8694, 0.3257, 0.3121



16.7680, 0.3138, 0.3057



14.0007, 0.3212, 0.1543



1.2306, 0.3212, 0.1543



# Inverse Universe

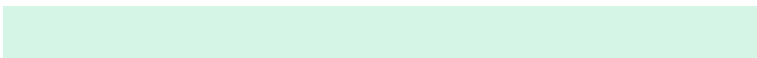
The Inverse Universe completely reimagines the original color for something new.



73.8384, 0.3143, 0.2958



76.6715, 0.3146, 0.2893



85.7782, 0.3015, 0.3465



16.7680, 0.3138, 0.3057



14.0007, 0.3212, 0.1543

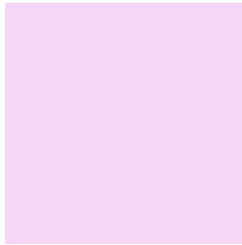


1.2306, 0.3212, 0.1543



# Previews

## White Background



This preview shows how the Yxy color 73.8352, 0.3143, 0.2958 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

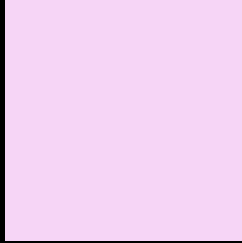
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.8352, 0.3143, 0.2958 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

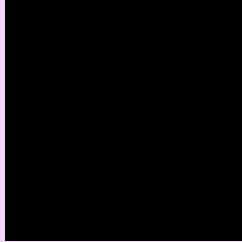
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.8352, 0.3143, 0.2958**

## Background



This preview shows how black text looks on a background with the Yxy color 73.8352, 0.3143, 0.2958.

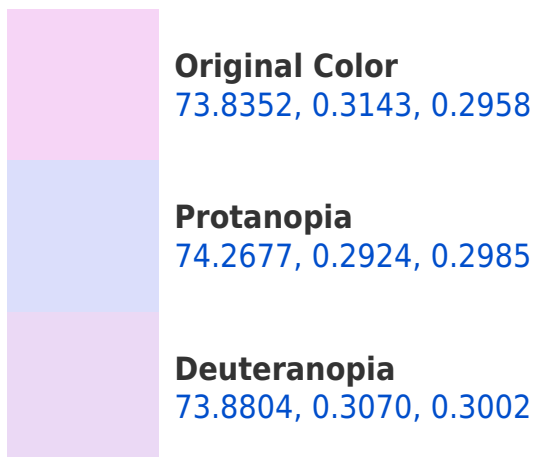


This preview shows how white text looks on a background with the Yxy color 73.8352, 0.3143, 0.2958.

# 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





## Tritanopia

73.6602, 0.3223, 0.3116

# Trichromacy



## Original Color

73.8352, 0.3143, 0.2958

## Protanomaly

74.1606, 0.3003, 0.2980

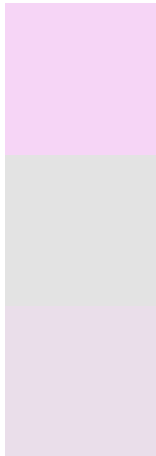
## Deuteranomaly

74.0550, 0.3098, 0.2994

## Tritanomaly

73.6200, 0.3196, 0.3056

# Monochromacy



## Original Color

73.8352, 0.3143, 0.2958

## Achromatopsia

76.8151, 0.3127, 0.3290

## Achromatomaly

75.6755, 0.3133, 0.3165

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.8352, 0.3143, 0.2958 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(246, 213, 246)` looks like.

```
.text, #text, p{  
    color:rgb(246, 213, 246)  
}
```

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(246, 213, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 213, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 73.8352, 0.3143, 0.2958 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(246, 213, 246) }
```

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

```
.border{ border-color:rgb(246, 213, 246) }
```

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

Here you see how a box with a 4 pixel rgb(246, 213, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 213, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 213, 246);  
box-shadow:4px 4px 4px 4px rgb(246, 213,  
246) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.8352, 0.3143, 0.2958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 213, 246) }
```

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

```
.background{ background-color: rgb(246,  
213, 246) }
```

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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