

# Converting Colors

$Y_{xy}(72.7426, 0.3260, 0.3118)$

Have a look what the booklet for  
Yxy(72.7426, 0.3260, 0.3118)  
contains.

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# Color

**Yxy(72.8385, 0.3260, 0.3127)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6D5E5
RGB	246, 213, 229
RGB Percent	96%, 84%, 90%
CMY	0.0353, 0.1647, 0.1021
CMYK	0.00, 0.13, 0.07, 0.04
HSL	331°, 65%, 90%
HSV	331°, 13%, 96%
XYZ	75.9365, 72.8385, 84.1591
YIQ	224.6910, 14.5320, 11.9720

# Conversions

## Conversions Part 2

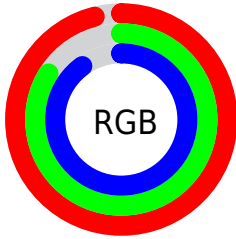
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	246, 213, 229
Decimal	16176613
CIE Lab	88.37, 14.08, -3.60
CIE LCh	88, 14.532, 345.672
Yxy	72.8385, 0.3260, 0.3127
Android (android.graphics.Color)	4294366693 (0xFFFF6D5E5)
YUV	224.6910, 2.1243, 18.6880
Hunter-Lab	85.3455, 9.4666, 1.2760

# Details

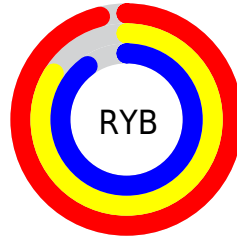
The Yxy color  $72.8385, 0.3260, 0.3127$  is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be  $85.7698, 0.3012, 0.3459$ , and the grayscale version is  $75.0385, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $38.4569, 0.3292, 0.3080$  is the 20% darker color. If you saturate the color by 10%, you get  $60.7065, 0.3384, 0.2998$ , and if you desaturate by 10%, it is  $86.9057, 0.3158, 0.3250$ .

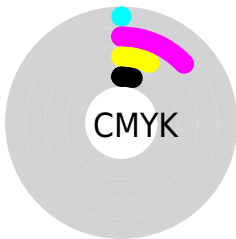
# Distribution



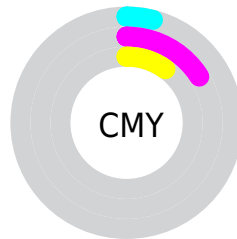
- Red (96%)
- Green (84%)
- Blue (90%)



- Red (96%)
- Yellow (84%)
- Blue (90%)



- Cyan (0%)
- Magenta (13%)
- Yellow (7%)
- Black (4%)




- Cyan (4%)
- Magenta (16%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.8385, 0.3260, 0.3127 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 72.8385, 0.3260, 0.3127 by changing the saturation by 10% instead.




 72.8385, 0.3260,  
0.3127

 72.8385, 0.3260,  
0.3127


470.4549, 0.3199,  
0.3202

 53.8439, 0.3274,  
0.3110


123.2479, 0.3239,  
0.3153

 38.4769, 0.3291,  
0.3089


155.4315, 0.3231,  
0.3163

 26.3530, 0.3312,  
0.3063


192.7803, 0.3224,  
0.3171

 17.0879, 0.3341,  
0.3030

235.6786, 0.3217,  
0.3179

 10.2972, 0.3379,  
0.2984

284.5108, 0.3212,  
0.3186

 5.5965, 0.3433,  
0.2919

339.6613, 0.3207,

 2.6013, 0.3518,

0.3192

0.2819

401.5145, 0.3203,  
0.3197

0.9273, 0.3668,  
0.2646

0.0000, 0.7580,  
0.0000

72.8385, 0.3260,  
0.3127

72.8385, 0.3260,  
0.3127

60.7065, 0.3384,  
0.2998

86.9057, 0.3158,  
0.3250

50.4148, 0.3532,  
0.2867

98.2905, 0.3075,  
0.3296

41.8747, 0.3707,  
0.2740

98.3313, 0.3072,  
0.3290

34.9865, 0.3911,  
0.2624

■ 29.6401, 0.4141,  
0.2531

■ 25.7122, 0.4391,  
0.2473

■ 23.0600, 0.4651,  
0.2464

■ 21.5102, 0.4906,  
0.2510

■ 20.9229, 0.5067,  
0.2565

# Harmonies

## Analogous

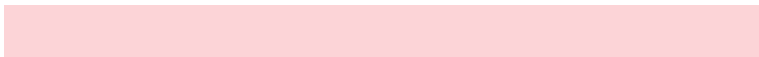
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.8385, 0.3083, 0.3029



72.8385, 0.3260, 0.3127



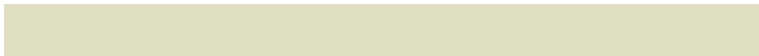
72.8385, 0.3404, 0.3267

# Triad

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



72.8385, 0.3260, 0.3127



72.8385, 0.3330, 0.3597



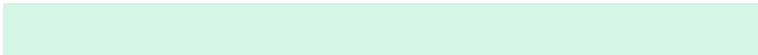
72.8385, 0.2794, 0.3148

# Complementary

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



72.8385, 0.3260, 0.3127



85.7698, 0.3012, 0.3459

# 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.



72.8385, 0.2857, 0.3305



72.8385, 0.3260, 0.3127



72.8385, 0.3164, 0.3570

# Square

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



72.8385, 0.3260, 0.3127



72.8385, 0.3444, 0.3538



72.8385, 0.2991, 0.3462



72.8385, 0.2818, 0.3037

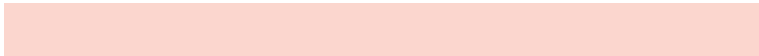


# Rectangle

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



72.8385, 0.3260, 0.3127



72.8385, 0.3460, 0.3368



72.8385, 0.2991, 0.3462



72.8385, 0.2806, 0.3197

# Sweetspot

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



72.8417, 0.3260, 0.3127



93.3293, 0.3163, 0.3243



70.9893, 0.3026, 0.2946



19.7162, 0.3170, 0.3234



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

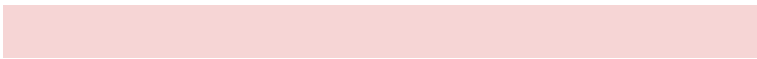
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.8417, 0.3260, 0.3127



75.3912, 0.3290, 0.3094



71.9913, 0.3374, 0.3291



16.6161, 0.3218, 0.3176



11.1968, 0.5030, 0.2544



1.0048, 0.4741, 0.2385



# Inverse Universe

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



72.8417, 0.3260, 0.3127



75.3912, 0.3290, 0.3094



86.7077, 0.2922, 0.3289



16.6161, 0.3218, 0.3176



11.1968, 0.5030, 0.2544

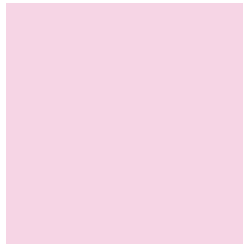


1.0048, 0.4741, 0.2385



# Previews

## White Background



This preview shows how the Yxy color 72.8385, 0.3260, 0.3127 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

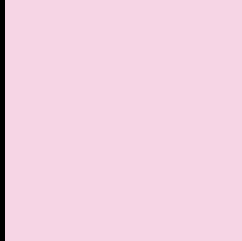
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.8385, 0.3260, 0.3127 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

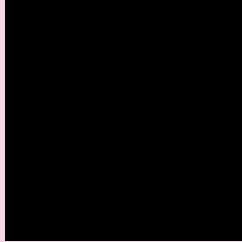
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.8385, 0.3260, 0.3127**

## Background



This preview shows how black text looks on a background with the Yxy color 72.8385, 0.3260, 0.3127.

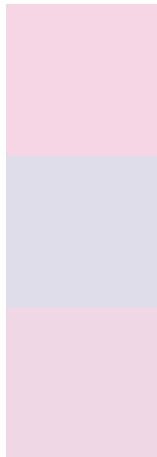


This preview shows how white text looks on a background with the Yxy color 72.8385, 0.3260, 0.3127.

# 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

72.8385, 0.3260, 0.3127

### Protanopia

73.1257, 0.3056, 0.3162

### Deuteranopia

72.7833, 0.3214, 0.3145



## Tritanopia

72.8945, 0.3253, 0.3116

# Trichromacy



## Original Color

72.8385, 0.3260, 0.3127

## Protanomaly

72.9579, 0.3127, 0.3143

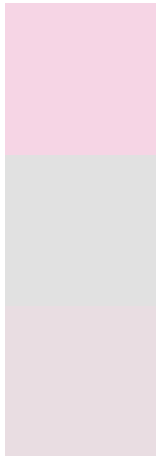
## Deuteranomaly

72.6275, 0.3229, 0.3135

## Tritanomaly

72.8945, 0.3253, 0.3116

# Monochromacy



## Original Color

72.8385, 0.3260, 0.3127

## Achromatopsia

75.2942, 0.3127, 0.3290

## Achromatomaly

74.5275, 0.3179, 0.3238

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.8385, 0.3260, 0.3127 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, 229)` looks like.

```
.text, #text, p{  
    color:rgb(246, 213, 229)  
}
```

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, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 213, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 72.8385, 0.3260, 0.3127 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, 229) }
```

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

```
.border{ border-color:rgb(246, 213, 229) }
```

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, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(246, 213, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(246, 213, 229); box-shadow:4px 4px 4px 4px rgb(246, 213, 229) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.8385, 0.3260, 0.3127 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, 229) }
```

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

```
.background{ background-color: rgb(246,  
213, 229) }
```

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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