

# Converting Colors

$Y_{xy}(73.4920, 0.3256, 0.3173)$

Have a look what the booklet for  
Yxy(73.4920, 0.3256, 0.3173)  
contains.

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# Color

**Yxy(73.3800, 0.3257, 0.3167)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4D7E3
RGB	244, 215, 227
RGB Percent	96%, 84%, 89%
CMY	0.0433, 0.1568, 0.1098
CMYK	0.00, 0.12, 0.07, 0.04
HSL	335°, 57%, 90%
HSV	335°, 12%, 96%
XYZ	75.4653, 73.3800, 82.8566
YIQ	225.0390, 13.4320, 9.8800

# Conversions

## Conversions Part 2

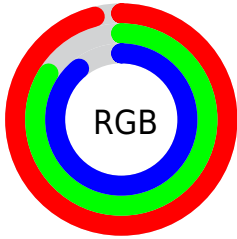
Format	Color
<a href="#">RYB</a>	<a href="#">244, 215, 227</a>
Decimal	<a href="#">16046051</a>
CIELab	<a href="#">88.63, 12.01, -2.20</a>
CIElCh	<a href="#">89, 12.206, 349.619</a>
Yxy	<a href="#">73.3800, 0.3257, 0.3167</a>
Android (android.graphics.Color)	<a href="#">4294236131 (0xFFFF4D7E3)</a>
YUV	<a href="#">225.0390, 0.9668, 16.6288</a>
Hunter-Lab	<a href="#">85.6621, 7.3435, 2.6153</a>

# Details

The Yxy color **73.3800, 0.3257, 0.3167** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **84.9586, 0.3013, 0.3416**, and the grayscale version is **75.3100, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.8115, 0.3288, 0.3131** is the 20% darker color. If you saturate the color by 10%, you get **61.1125, 0.3393, 0.3057**, and if you desaturate by 10%, it is **87.5722, 0.3146, 0.3271**.

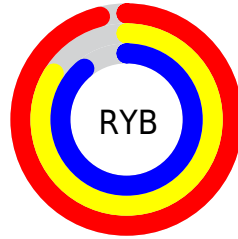
# Distribution



Red (96%)

Green (84%)

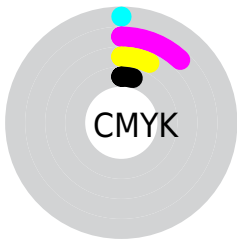
Blue (89%)



Red (96%)

Yellow (84%)

Blue (89%)

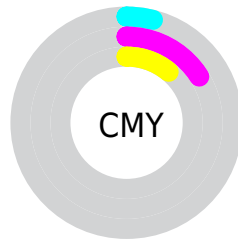


Cyan (0%)

Magenta (12%)

Yellow (7%)

Black (4%)



Cyan (4%)

Magenta (16%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.3800, 0.3257, 0.3167 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 73.3800, 0.3257, 0.3167 by changing the saturation by 10% instead.




 73.3800, 0.3257,  
0.3167

 73.3800, 0.3257,  
0.3167


472.3308, 0.3197,  
0.3223

 54.2867, 0.3271,  
0.3154

124.0165, 0.3236,  
0.3186

 38.8310, 0.3287,  
0.3138

156.3286, 0.3228,  
0.3194

 26.6282, 0.3309,  
0.3119


193.8157, 0.3221,  
0.3201

 17.2942, 0.3336,  
0.3093

236.8622, 0.3215,  
0.3206

 10.4445, 0.3374,  
0.3058

285.8526, 0.3210,  
0.3211

 5.6946, 0.3428,  
0.3008

341.1712, 0.3205,

 2.6603, 0.3513,

0.3216

0.2930

403.2025, 0.3201,  
0.3220

0.9571, 0.3664,  
0.2795

0.0000, 1.0000,  
0.0000

73.3800, 0.3257,  
0.3167

73.3800, 0.3257,  
0.3167

61.1125, 0.3393,  
0.3057

87.5722, 0.3146,  
0.3271

50.6768, 0.3557,  
0.2944

97.9677, 0.3059,  
0.3290

41.9866, 0.3753,  
0.2834

34.9449, 0.3984,  
0.2733

■ 29.4451, 0.4248,  
0.2652

■ 25.3679, 0.4539,  
0.2604

■ 22.5762, 0.4843,  
0.2601

■ 20.9054, 0.5139,  
0.2653

■ 20.1664, 0.5364,  
0.2728

# Harmonies

## Analogous

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



73.3800, 0.3110, 0.3078



73.3800, 0.3257, 0.3167



73.3800, 0.3370, 0.3288

# Triad

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



73.3800, 0.3257, 0.3167



73.3800, 0.3281, 0.3548



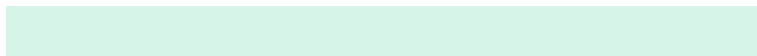
73.3800, 0.2846, 0.3157

# Complementary

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



73.3800, 0.3257, 0.3167



84.9586, 0.3013, 0.3416

# 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.



73.3800, 0.2889, 0.3285



73.3800, 0.3257, 0.3167



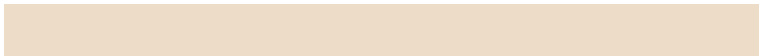
73.3800, 0.3139, 0.3515

# Square

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



73.3800, 0.3257, 0.3167



73.3800, 0.3384, 0.3509



73.3800, 0.2996, 0.3418



73.3800, 0.2875, 0.3070

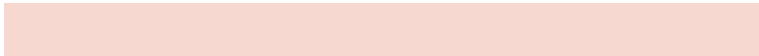


# Rectangle

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



73.3800, 0.3257, 0.3167



73.3800, 0.3410, 0.3373



73.3800, 0.2996, 0.3418



73.3800, 0.2852, 0.3197

# Sweetspot

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



73.3832, 0.3257, 0.3167



93.2847, 0.3168, 0.3250



72.2795, 0.3056, 0.2989



19.7049, 0.3176, 0.3242



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

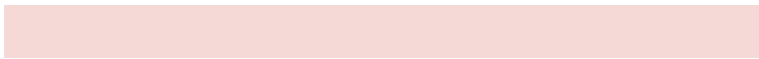
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.3832, 0.3257, 0.3167



78.0244, 0.3284, 0.3144



73.9825, 0.3338, 0.3316



16.5962, 0.3228, 0.3192



10.9941, 0.5323, 0.2706



0.9862, 0.4997, 0.2527



# Inverse Universe

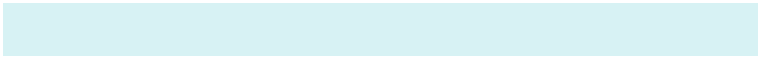
The Inverse Universe completely reimagines the original color for something new.



73.3832, 0.3257, 0.3167



78.0244, 0.3284, 0.3144



84.2205, 0.2945, 0.3264



16.5962, 0.3228, 0.3192



10.9941, 0.5323, 0.2706

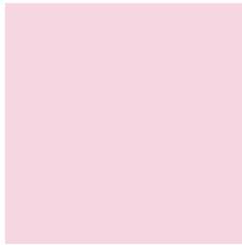


0.9862, 0.4997, 0.2527



# Previews

## White Background



This preview shows how the Yxy color 73.3800, 0.3257, 0.3167 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

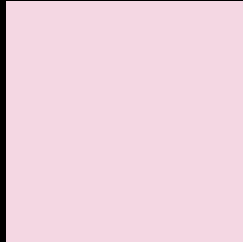
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.3800, 0.3257, 0.3167 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

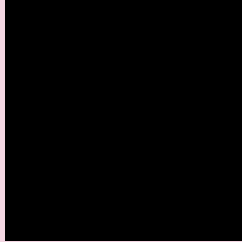
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.3800, 0.3257, 0.3167**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.3800, 0.3257, 0.3167.



This preview shows how white text looks on a background with the Yxy color 73.3800, 0.3257, 0.3167.

# 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

73.3800, 0.3257, 0.3167

### Protanopia

73.3297, 0.3083, 0.3183

### Deuteranopia

73.5350, 0.3242, 0.3177



## Tritanopia

73.2751, 0.3238, 0.3116

# Trichromacy



## Original Color

73.3800, 0.3257, 0.3167

## Protanomaly

73.3651, 0.3140, 0.3174

## Deuteranomaly

73.7125, 0.3249, 0.3177

## Tritanomaly

73.2188, 0.3245, 0.3126

# Monochromacy



## Original Color

73.3800, 0.3257, 0.3167

## Achromatopsia

75.2942, 0.3127, 0.3290

## Achromatomaly

74.3597, 0.3172, 0.3237

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.3800, 0.3257, 0.3167 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(244, 215, 227)` looks like.

```
.text, #text, p{  
    color:rgb(244, 215, 227)  
}
```

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(244, 215, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 215, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 73.3800, 0.3257, 0.3167 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(244, 215, 227) }
```

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

```
.border{ border-color:rgb(244, 215, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 215, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 215, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 215, 227);  
box-shadow:4px 4px 4px 4px rgb(244, 215,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.3800, 0.3257, 0.3167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 215, 227) }
```

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

```
.background{ background-color: rgb(244,  
215, 227) }
```

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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