

# Converting Colors

$Yxy(73.6146, 0.3356, 0.3156)$

Have a look what the booklet for  
Yxy(73.6146, 0.3356, 0.3156)  
contains.

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# Color

**Yxy(73.7832, 0.3356, 0.3160)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD4E1
RGB	255, 212, 225
RGB Percent	100%, 83%, 88%
CMY	0.0002, 0.1685, 0.1176
CMYK	0.00, 0.17, 0.12, 0.00
HSL	342°, 100%, 92%
HSV	342°, 17%, 100%
XYZ	78.3596, 73.7832, 81.3483
YIQ	226.3390, 21.4550, 13.1590

# Conversions

## Conversions Part 2

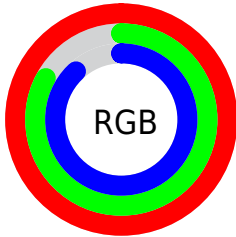
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 212, 225
Decimal	16766177
CIE Lab	88.82, 17.03, -0.75
CIE LCh	89, 17.043, 357.461
Yxy	73.7832, 0.3356, 0.3160
Android (android.graphics.Color)	4294956257 (0xFFFFD4E1)
YUV	226.3390, -0.6601, 25.1357
Hunter-Lab	85.8971, 12.5165, 3.9778

# Details

The Yxy color **73.7832, 0.3356, 0.3160** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **91.8958, 0.2941, 0.3424**, and the grayscale version is **76.3037, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.0220, 0.3410, 0.3123** is the 20% darker color. If you saturate the color by 10%, you get **61.1079, 0.3535, 0.3078**, and if you desaturate by 10%, it is **88.5788, 0.3211, 0.3239**.

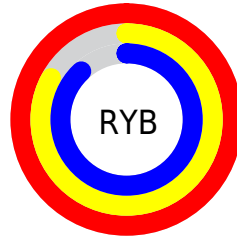
# Distribution



Red (100%)

Green (83%)

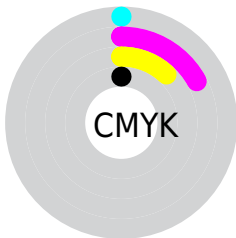
Blue (88%)



Red (100%)

Yellow (83%)

Blue (88%)

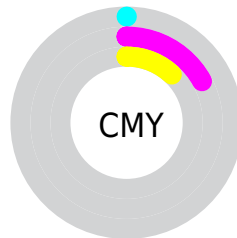


Cyan (0%)

Magenta (17%)

Yellow (12%)

Black (0%)



Cyan (0%)

Magenta (17%)


Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.7832, 0.3356, 0.3160 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 73.7832, 0.3356, 0.3160 by changing the saturation by 10% instead.




 73.7832, 0.3356,  
0.3160

 73.7832, 0.3356,  
0.3160


473.7248, 0.3250,  
0.3220

 54.6166, 0.3380,  
0.3146


124.5884, 0.3319,  
0.3181

 39.0949, 0.3410,  
0.3130


156.9959, 0.3305,  
0.3189

 26.8335, 0.3447,  
0.3108


194.5857, 0.3293,  
0.3196

 17.4482, 0.3497,  
0.3081

237.7423, 0.3282,  
0.3202

 10.5546, 0.3564,  
0.3043

286.8502, 0.3273,  
0.3207

 5.7682, 0.3660,  
0.2989

342.2936, 0.3264,

 2.7046, 0.3811,

0.3212

0.2905

404.4570, 0.3257,  
0.3216

0.9796, 0.4081,  
0.2756

0.0000, 1.0000,  
0.0000

73.7832, 0.3356,  
0.3160

73.7832, 0.3356,  
0.3160

61.1079, 0.3535,  
0.3078

88.5788, 0.3211,  
0.3239

50.4455, 0.3752,  
0.2995

99.9899, 0.3127,  
0.3290

41.6946, 0.4014,  
0.2917

34.7406, 0.4320,  
0.2852

■ 29.4565, 0.4666,  
0.2812

■ 25.6988, 0.5033,  
0.2807

■ 23.2991, 0.5394,  
0.2850

■ 22.0453, 0.5712,  
0.2938

■ 21.7870, 0.5803,  
0.2970

# Harmonies

## Analogous

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



73.7832, 0.3157, 0.3024



73.7832, 0.3356, 0.3160



73.7832, 0.3495, 0.3331

# Triad

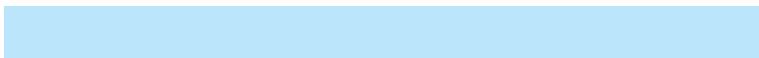
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.7832, 0.3356, 0.3160



73.7832, 0.3292, 0.3650



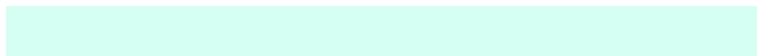
73.7832, 0.2739, 0.3064

# Complementary

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



73.7832, 0.3356, 0.3160



91.8958, 0.2941, 0.3424

# 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.



73.7832, 0.2773, 0.3231



73.7832, 0.3356, 0.3160



73.7832, 0.3087, 0.3579

# Square

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



73.7832, 0.3356, 0.3160



73.7832, 0.3455, 0.3617



73.7832, 0.2898, 0.3422



73.7832, 0.2804, 0.2965



# Rectangle

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



73.7832, 0.3356, 0.3160



73.7832, 0.3532, 0.3446



73.7832, 0.2898, 0.3422



73.7832, 0.2739, 0.3114

# Sweetspot

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



73.7865, 0.3356, 0.3160



91.5735, 0.3187, 0.3253



73.0800, 0.3051, 0.2859



19.3566, 0.3196, 0.3248



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

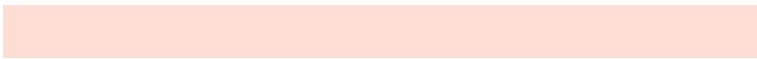
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.7865, 0.3356, 0.3160



69.5825, 0.3409, 0.3134



77.1360, 0.3438, 0.3371



18.0775, 0.3246, 0.3218



11.4126, 0.5760, 0.2947



1.1296, 0.5440, 0.2770



# Inverse Universe

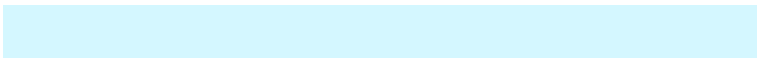
The Inverse Universe completely reimagines the original color for something new.



73.7865, 0.3356, 0.3160



69.5825, 0.3409, 0.3134



87.7867, 0.2868, 0.3208



18.0775, 0.3246, 0.3218



11.4126, 0.5760, 0.2947

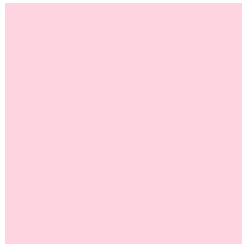


1.1296, 0.5440, 0.2770



# Previews

## White Background



This preview shows how the Yxy color 73.7832, 0.3356, 0.3160 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

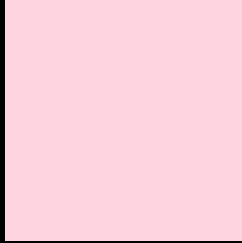
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.7832, 0.3356, 0.3160 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 73.7832, 0.3356, 0.3160**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.7832, 0.3356, 0.3160.

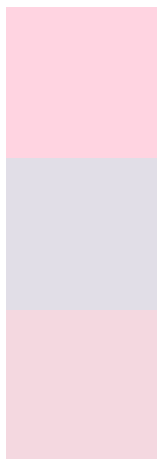


This preview shows how white text looks on a background with the Yxy color 73.7832, 0.3356, 0.3160.

# 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

73.7832, 0.3356, 0.3160

### Protanopia

74.0196, 0.3090, 0.3194

### Deuteranopia

73.7266, 0.3277, 0.3208



## Tritanopia

73.9484, 0.3335, 0.3130

# Trichromacy



## Original Color

73.7832, 0.3356, 0.3160

## Protanomaly

73.6328, 0.3183, 0.3175

## Deuteranomaly

73.9392, 0.3308, 0.3199

## Tritanomaly

73.8930, 0.3342, 0.3140

# Monochromacy



## Original Color

73.7832, 0.3356, 0.3160

## Achromatopsia

76.0525, 0.3127, 0.3290

## Achromatomaly

75.2084, 0.3208, 0.3238

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.7832, 0.3356, 0.3160 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, 212, 225)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 225)  
}
```

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, 212, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 225) }
```

## Border

The CSS property to change the border of an element to Yxy 73.7832, 0.3356, 0.3160 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, 212, 225) }
```

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

```
.border{ border-color:rgb(255, 212, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 212, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 225);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
225) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.7832, 0.3356, 0.3160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 212, 225) }
```

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

```
.background{ background-color: rgb(255,  
212, 225) }
```

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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