

# Converting Colors

$Y_{xy}(82.5969, 0.3709, 0.3195)$

Have a look what the booklet for  
Yxy(82.5969, 0.3709, 0.3195)  
contains.

<b>Yxy(73.1225, 0.3380, 0.3180)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(73.1225, 0.3380, 0.3180)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD3DE
RGB	255, 211, 222
RGB Percent	100%, 83%, 87%
CMY	0.0000, 0.1725, 0.1295
CMYK	0.00, 0.17, 0.13, 0.00
HSL	345°, 100%, 91%
HSV	345°, 17%, 100%
XYZ	77.7214, 73.1225, 79.1011
YIQ	225.4100, 22.6930, 12.7490

# Conversions

## Conversions Part 2

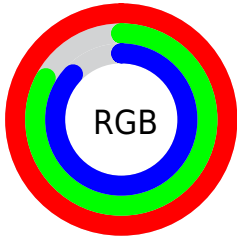
Format	Color
R <sub>Y</sub> B	255, 211, 222
Decimal	16765918
CIE Lab	88.51, 17.10, 0.39
CIE LCh	89, 17.107, 1.309
Yxy	73.1225, 0.3380, 0.3180
Android (android.graphics.Color)	4294955998 (0xFFFFD3DE)
YUV	225.4100, -1.6811, 25.9504
Hunter-Lab	85.5117, 12.5928, 5.0130

# Details

The Yxy color **73.1225, 0.3380, 0.3180** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **91.9028, 0.2924, 0.3403**, and the grayscale version is **75.6025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.5727, 0.3441, 0.3149** is the 20% darker color. If you saturate the color by 10%, you get **60.4715, 0.3574, 0.3112**, and if you desaturate by 10%, it is **87.8977, 0.3222, 0.3245**.

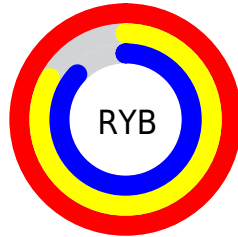
# Distribution



Red (100%)

Green (83%)

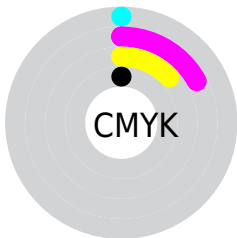
Blue (87%)



Red (100%)

Yellow (83%)

Blue (87%)

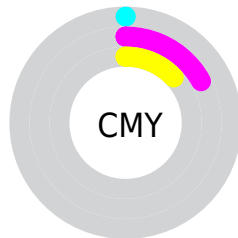


Cyan (0%)

Magenta (17%)

Yellow (13%)

Black (0%)



Cyan (0%)

Magenta (17%)


Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.1225, 0.3380, 0.3180 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 73.1225, 0.3380, 0.3180 by changing the saturation by 10% instead.



 73.1225, 0.3380,  
0.3180

 73.1225, 0.3380,  
0.3180

471.4393, 0.3263,  
0.3231

 54.0761, 0.3407,  
0.3168


123.6511, 0.3339,  
0.3198

 38.6625, 0.3440,  
0.3154

155.9021, 0.3324,  
0.3205

 26.4973, 0.3482,  
0.3135


193.3235, 0.3310,  
0.3211

 17.1960, 0.3537,  
0.3111

236.2996, 0.3298,  
0.3216

 10.3744, 0.3612,  
0.3078

285.2148, 0.3288,  
0.3220

 5.6479, 0.3721,  
0.3030

340.4536, 0.3279,

 2.6322, 0.3892,

0.3224

0.2954

402.4003, 0.3270,  
0.3228

0.9429, 0.4200,  
0.2817

0.0000, 1.0000,  
0.0000

73.1225, 0.3380,  
0.3180

73.1225, 0.3380,  
0.3180

60.4715, 0.3574,  
0.3112

87.8977, 0.3222,  
0.3245

49.8494, 0.3812,  
0.3044

100.0000, 0.3127,  
0.3290

41.1488, 0.4098,  
0.2980

34.2540, 0.4434,  
0.2929

■ 29.0362, 0.4812,  
0.2901

■ 25.3499, 0.5208,  
0.2907

■ 23.0241, 0.5586,  
0.2955

■ 21.8393, 0.5903,  
0.3041

■ 21.6251, 0.5978,  
0.3067

# Harmonies

## Analogous

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



73.1225, 0.3184, 0.3036



73.1225, 0.3380, 0.3180



73.1225, 0.3508, 0.3354

# Triad

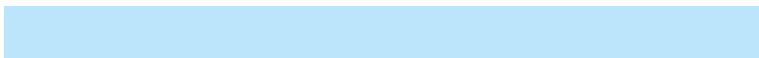
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.1225, 0.3380, 0.3180



73.1225, 0.3267, 0.3650



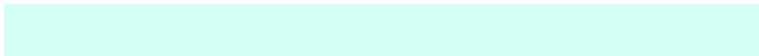
73.1225, 0.2739, 0.3045

# Complementary

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



73.1225, 0.3380, 0.3180



91.9028, 0.2924, 0.3403

# 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.



73.1225, 0.2760, 0.3206



73.1225, 0.3380, 0.3180



73.1225, 0.3061, 0.3565

# Square

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



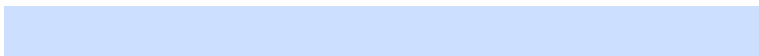
73.1225, 0.3380, 0.3180



73.1225, 0.3441, 0.3629



73.1225, 0.2876, 0.3399



73.1225, 0.2818, 0.2957



# Rectangle

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



73.1225, 0.3380, 0.3180



73.1225, 0.3536, 0.3467



73.1225, 0.2876, 0.3399



73.1225, 0.2735, 0.3092

# Sweetspot

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



73.1215, 0.3380, 0.3180



91.5319, 0.3191, 0.3259



73.0424, 0.3069, 0.2850



19.3465, 0.3201, 0.3255



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

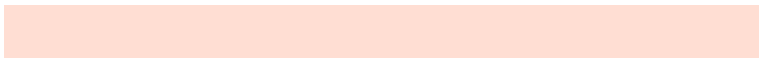
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.1215, 0.3380, 0.3180



68.1393, 0.3448, 0.3155



78.2064, 0.3442, 0.3402



18.0613, 0.3255, 0.3231



11.3195, 0.5938, 0.3045



1.1187, 0.5623, 0.2872



# Inverse Universe

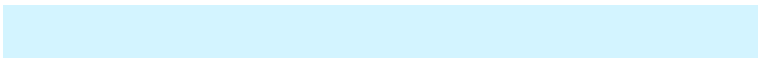
The Inverse Universe completely reimagines the original color for something new.



73.1215, 0.3380, 0.3180



68.1393, 0.3448, 0.3155



85.7707, 0.2860, 0.3175



18.0613, 0.3255, 0.3231



11.3195, 0.5938, 0.3045

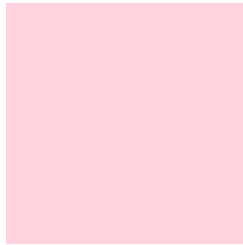


1.1187, 0.5623, 0.2872



# Previews

## White Background



This preview shows how the Yxy color 73.1225, 0.3380, 0.3180 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

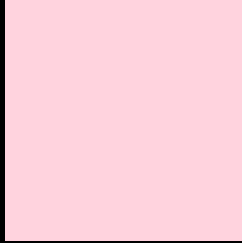
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.1225, 0.3380, 0.3180 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

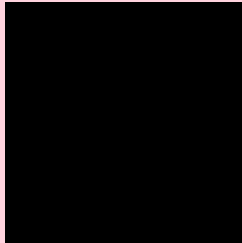
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.1225, 0.3380, 0.3180**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.1225, 0.3380, 0.3180.

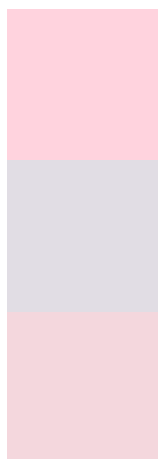


This preview shows how white text looks on a background with the Yxy color 73.1225, 0.3380, 0.3180.

# 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

73.1225, 0.3380, 0.3180

### Protanopia

73.3219, 0.3110, 0.3215

### Deuteranopia

73.0544, 0.3299, 0.3228



## Tritanopia

73.3946, 0.3343, 0.3130

# Trichromacy



## Original Color

73.1225, 0.3380, 0.3180

## Protanomaly

72.9496, 0.3204, 0.3196

## Deuteranomaly

73.2701, 0.3330, 0.3219

## Tritanomaly

73.2848, 0.3358, 0.3150

# Monochromacy



## Original Color

73.1225, 0.3380, 0.3180

## Achromatopsia

75.2942, 0.3127, 0.3290

## Achromatomaly

74.4011, 0.3215, 0.3248

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.1225, 0.3380, 0.3180 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, 211, 222)` looks like.

```
.text, #text, p{  
    color:rgb(255, 211, 222)  
}
```

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, 211, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 211, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 73.1225, 0.3380, 0.3180 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, 211, 222) }
```

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

```
.border{ border-color:rgb(255, 211, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 211, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 211, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 211, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 211,  
222) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.1225, 0.3380, 0.3180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 211, 222) }
```

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

```
.background{ background-color: rgb(255,  
211, 222) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor