

Converting Colors

$Y_{xy}(82.2325, 0.3646, 0.3161)$

Have a look what the booklet for
Yxy(82.2325, 0.3646, 0.3161)
contains.

Yxy(73.8380, 0.3349, 0.3150)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(73.8380, 0.3349, 0.3150)

Conversions

Conversions Part 1

Format	Color
Hex	FFD4E2
RGB	255, 212, 226
RGB Percent	100%, 83%, 89%
CMY	0.0001, 0.1686, 0.1137
CMYK	0.00, 0.17, 0.11, 0.00
HSL	340°, 100%, 92%
HSV	340°, 17%, 100%
XYZ	78.5027, 73.8380, 82.0657
YIQ	226.4530, 21.1340, 13.4700

Conversions

Conversions Part 2

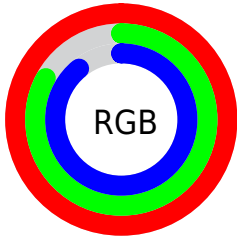
Format	Color
R _{YB}	255, 212, 226
Decimal	16766178
CIE Lab	88.85, 17.20, -1.24
CIE LCh	89, 17.245, 355.870
Yxy	73.8380, 0.3349, 0.3150
Android (android.graphics.Color)	4294956258 (0xFFFFD4E2)
YUV	226.4530, -0.2233, 25.0357
Hunter-Lab	85.9290, 12.6974, 3.5260

Details

The Yxy color **73.8380, 0.3349, 0.3150** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **91.8513, 0.2946, 0.3435**, and the grayscale version is **76.3888, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.0600, 0.3400, 0.3111** is the 20% darker color. If you saturate the color by 10%, you get **61.1858, 0.3522, 0.3061**, and if you desaturate by 10%, it is **88.6044, 0.3208, 0.3235**.

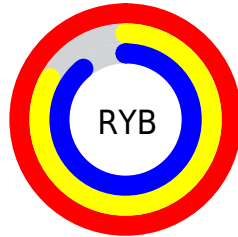
Distribution



Red (100%)

Green (83%)

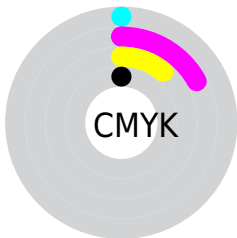
Blue (89%)



Red (100%)

Yellow (83%)

Blue (89%)

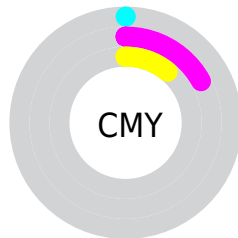


Cyan (0%)

Magenta (17%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (17%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.8380, 0.3349, 0.3150 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 73.8380, 0.3349, 0.3150 by changing the saturation by 10% instead.


 73.8380, 0.3349,
0.3150

 73.8380, 0.3349,
0.3150


473.9141, 0.3247,
0.3214

 54.6615, 0.3372,
0.3135


124.6661, 0.3314,
0.3172

 39.1307, 0.3401,
0.3117


157.0865, 0.3300,
0.3181

 26.8614, 0.3437,
0.3095


194.6903, 0.3288,
0.3188

 17.4692, 0.3485,
0.3065

237.8619, 0.3278,
0.3195

 10.5696, 0.3550,
0.3025

286.9857, 0.3268,
0.3201

 5.7782, 0.3643,
0.2968

342.4460, 0.3260,

 2.7107, 0.3788,

0.3206

0.2879

404.6274, 0.3253,
0.3210

0.9826, 0.4046,
0.2723

0.0000, 1.0000,
0.0000

73.8380, 0.3349,
0.3150

73.8380, 0.3349,
0.3150

61.1858, 0.3522,
0.3061

88.6044, 0.3208,
0.3235

50.5408, 0.3731,
0.2972

99.9945, 0.3127,
0.3290

41.8017, 0.3983,
0.2888

34.8543, 0.4277,
0.2818

■ 29.5720, 0.4610,
0.2772

■ 25.8116, 0.4964,
0.2764

■ 23.4051, 0.5315,
0.2803

■ 22.1407, 0.5629,
0.2892

■ 21.8791, 0.5719,
0.2924

Harmonies

Analogous

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



73.8380, 0.3146, 0.3015



73.8380, 0.3349, 0.3150



73.8380, 0.3494, 0.3322

Triad

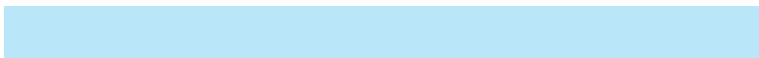
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.8380, 0.3349, 0.3150



73.8380, 0.3304, 0.3655



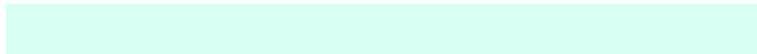
73.8380, 0.2734, 0.3069

Complementary

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



73.8380, 0.3349, 0.3150



91.8513, 0.2946, 0.3435

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.



73.8380, 0.2773, 0.3240



73.8380, 0.3349, 0.3150



73.8380, 0.3098, 0.3589

Square

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



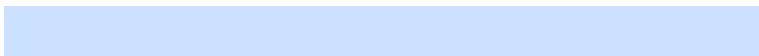
73.8380, 0.3349, 0.3150



73.8380, 0.3466, 0.3617



73.8380, 0.2905, 0.3433



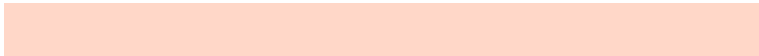
73.8380, 0.2795, 0.2965

Rectangle

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



73.8380, 0.3349, 0.3150



73.8380, 0.3535, 0.3438



73.8380, 0.2905, 0.3433



73.8380, 0.2736, 0.3120

Sweetspot

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



73.8413, 0.3349, 0.3150



91.5916, 0.3185, 0.3250



72.9537, 0.3046, 0.2858



19.3610, 0.3194, 0.3244



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

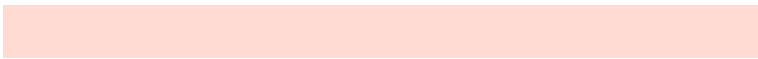
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.8413, 0.3349, 0.3150



69.6450, 0.3400, 0.3122



76.7640, 0.3439, 0.3363



18.0846, 0.3243, 0.3213



11.4595, 0.5676, 0.2900



1.1349, 0.5357, 0.2725

Inverse Universe

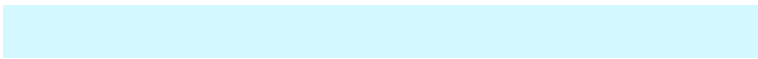
The Inverse Universe completely reimagines the original color for something new.



73.8413, 0.3349, 0.3150



69.6450, 0.3400, 0.3122



88.2371, 0.2868, 0.3215



18.0846, 0.3243, 0.3213



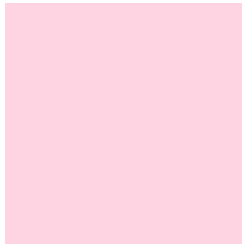
11.4595, 0.5676, 0.2900



1.1349, 0.5357, 0.2725

Previews

White Background



This preview shows how the Yxy color 73.8380, 0.3349, 0.3150 looks on a white background.

Color Contrast Check

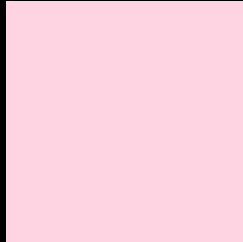
Large Text (above 18pt) WCAG AA × Fail

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 73.8380, 0.3349, 0.3150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

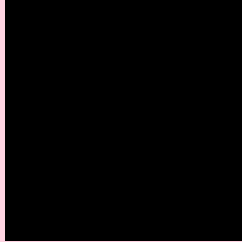
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.8380, 0.3349, 0.3150

Background



This preview shows how black text looks on a background with the Yxy color 73.8380, 0.3349, 0.3150.



This preview shows how white text looks on a background with the Yxy color 73.8380, 0.3349, 0.3150.

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

73.8380, 0.3349, 0.3150

Protanopia

74.0763, 0.3083, 0.3184

Deuteranopia

73.7811, 0.3270, 0.3198



Tritanopia

73.9484, 0.3335, 0.3130

Trichromacy



Original Color

73.8380, 0.3349, 0.3150

Protanomaly

73.6888, 0.3176, 0.3165

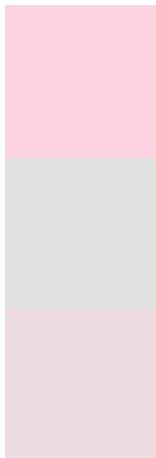
Deuteranomaly

73.9936, 0.3301, 0.3188

Tritanomaly

73.8930, 0.3342, 0.3140

Monochromacy



Original Color

73.8380, 0.3349, 0.3150

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 73.8380, 0.3349, 0.3150 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, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 226)  
}
```

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, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 226) }
```

Border

The CSS property to change the border of an element to Yxy 73.8380, 0.3349, 0.3150 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, 226) }
```

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

```
.border{ border-color:rgb(255, 212, 226) }
```

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, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 73.8380, 0.3349, 0.3150 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, 226) }
```

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

```
.background{ background-color: rgb(255,  
212, 226) }
```

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