

Converting Colors

$Y_{xy}(70.1459, 0.3405, 0.3145)$

Have a look what the booklet for
Yxy(70.1459, 0.3405, 0.3145)
contains.

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Color

Yxy(70.0900, 0.3403, 0.3139)

Conversions

Conversions Part 1

Format	Color
Hex	FFCDDC
RGB	255, 205, 220
RGB Percent	100%, 80%, 86%
CMY	0.0000, 0.1960, 0.1374
CMYK	0.00, 0.20, 0.14, 0.00
HSL	342°, 100%, 90%
HSV	342°, 20%, 100%
XYZ	75.9848, 70.0900, 77.2129
YIQ	221.6600, 24.9850, 15.2650

Conversions

Conversions Part 2

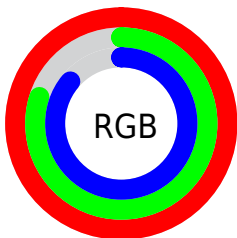
Format	Color
R _Y B	255, 205, 220
Decimal	16764380
CIE Lab	87.04, 19.91, -0.69
CIE LCh	87, 19.921, 358.006
Yxy	70.0900, 0.3403, 0.3139
Android (android.graphics.Color)	4294954460 (0xFFFFCDDC)
YUV	221.6600, -0.8184, 29.2392
Hunter-Lab	83.7198, 15.4986, 3.9220

Details

The Yxy color **70.0900, 0.3403, 0.3139** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **90.7911, 0.2911, 0.3447**, and the grayscale version is **72.7881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.8556, 0.3471, 0.3109** is the 20% darker color. If you saturate the color by 10%, you get **57.9742, 0.3593, 0.3057**, and if you desaturate by 10%, it is **84.3013, 0.3248, 0.3218**.

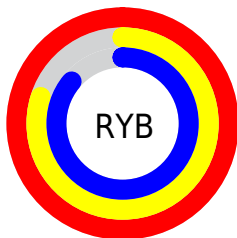
Distribution



Red (100%)

Green (80%)

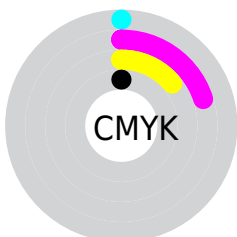
Blue (86%)



Red (100%)

Yellow (80%)

Blue (86%)

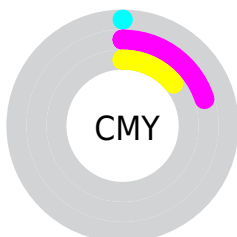


Cyan (0%)

Magenta (20%)

Yellow (14%)

Black (0%)



Cyan (0%)


Magenta (20%)

Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.0900, 0.3403, 0.3139 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 70.0900, 0.3403, 0.3139 by changing the saturation by 10% instead.

 70.0900, 0.3403,
0.3139

 70.0900, 0.3403,
0.3139

460.8659, 0.3275,
0.3209

 51.5999, 0.3433,
0.3123

119.3371, 0.3358,
0.3163

 36.6863, 0.3469,
0.3103


150.8629, 0.3341,
0.3173

 24.9647, 0.3516,
0.3078


187.5027, 0.3326,
0.3181

 16.0507, 0.3577,
0.3044

229.6409, 0.3313,
0.3188

 9.5601, 0.3661,
0.2999

277.6620, 0.3302,
0.3194

 5.1083, 0.3784,
0.2932

331.9502, 0.3292,

 2.3109, 0.3980,

0.3200

0.2828

392.8901, 0.3283,
0.3205

0.7795, 0.4346,
0.2629

0.0000, 1.0000,
0.0000

70.0900, 0.3403,
0.3139

70.0900, 0.3403,
0.3139

57.9742, 0.3593,
0.3057

84.3013, 0.3248,
0.3218

47.8451, 0.3823,
0.2976

99.9991, 0.3127,
0.3290

39.5983, 0.4099,
0.2901

33.1163, 0.4419,
0.2843

■ 28.2678, 0.4774,
0.2812

■ 24.9033, 0.5145,
0.2820

■ 22.8452, 0.5499,
0.2876

■ 21.8173, 0.5802,
0.2972

■ 21.7853, 0.5814,
0.2976

Harmonies

Analogous

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



70.0900, 0.3166, 0.2978



70.0900, 0.3403, 0.3139



70.0900, 0.3567, 0.3340

Triad

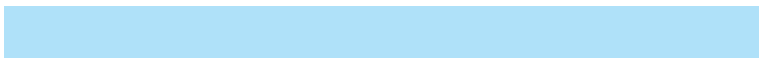
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.0900, 0.3403, 0.3139



70.0900, 0.3317, 0.3720



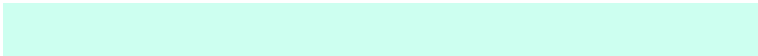
70.0900, 0.2668, 0.3017

Complementary

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



70.0900, 0.3403, 0.3139



90.7911, 0.2911, 0.3447

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.



70.0900, 0.2706, 0.3213



70.0900, 0.3403, 0.3139



70.0900, 0.3074, 0.3634

Square

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



70.0900, 0.3403, 0.3139



70.0900, 0.3514, 0.3680



70.0900, 0.2852, 0.3443



70.0900, 0.2747, 0.2904

Rectangle

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



70.0900, 0.3403, 0.3139



70.0900, 0.3610, 0.3475



70.0900, 0.2852, 0.3443



70.0900, 0.2668, 0.3075

Sweetspot

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



70.0932, 0.3403, 0.3139



89.9523, 0.3200, 0.3246



69.4133, 0.3042, 0.2785



19.0297, 0.3209, 0.3241



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.



70.0932, 0.3403, 0.3139



64.5139, 0.3482, 0.3103



74.2726, 0.3498, 0.3393



18.0765, 0.3247, 0.3219



11.4066, 0.5771, 0.2953



1.1289, 0.5451, 0.2776

Inverse Universe

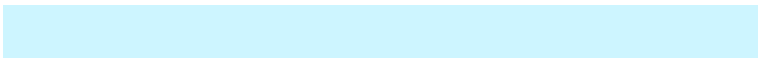
The Inverse Universe completely reimagines the original color for something new.



70.0932, 0.3403, 0.3139



64.5139, 0.3482, 0.3103



85.5044, 0.2826, 0.3185



18.0765, 0.3247, 0.3219



11.4066, 0.5771, 0.2953



1.1289, 0.5451, 0.2776

Previews

White Background



This preview shows how the Yxy color 70.0900, 0.3403, 0.3139 looks on a white background.

Color Contrast Check

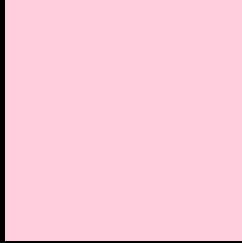
Large Text (above 18pt) WCAG AA × Fail

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 70.0900, 0.3403, 0.3139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

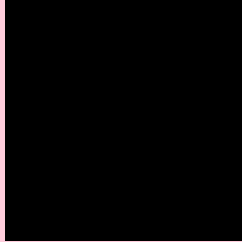
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.0900, 0.3403, 0.3139

Background



This preview shows how black text looks on a background with the Yxy color 70.0900, 0.3403, 0.3139.



This preview shows how white text looks on a background with the Yxy color 70.0900, 0.3403, 0.3139.

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

70.0900, 0.3403, 0.3139

Protanopia

70.3874, 0.3082, 0.3181

Deuteranopia

70.0537, 0.3281, 0.3206



Tritanopia

70.1431, 0.3395, 0.3129

Trichromacy



Original Color

70.0900, 0.3403, 0.3139

Protanomaly

70.2940, 0.3199, 0.3174

Deuteranomaly

70.1279, 0.3328, 0.3187

Tritanomaly

70.1431, 0.3395, 0.3129

Monochromacy



Original Color

70.0900, 0.3403, 0.3139

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

71.8246, 0.3224, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.0900, 0.3403, 0.3139 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, 205, 220)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 220)  
}
```

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, 205, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 220) }
```

Border

The CSS property to change the border of an element to Yxy 70.0900, 0.3403, 0.3139 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, 205, 220) }
```

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

```
.border{ border-color:rgb(255, 205, 220) }
```

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

Here you see how a box with a 4 pixel rgb(255, 205, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 220);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 70.0900, 0.3403, 0.3139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 205, 220) }
```

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

```
.background{ background-color: rgb(255,  
205, 220) }
```

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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