

Converting Colors

$Y_{xy}(71.8224, 0.3332, 0.3008)$

Have a look what the booklet for
Yxy(71.8224, 0.3332, 0.3008)
contains.

Yxy(70.8632, 0.3299, 0.3000)	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(70.8632, 0.3299, 0.3000)

Conversions

Conversions Part 1

Format	Color
Hex	FFCDEA
RGB	255, 205, 234
RGB Percent	100%, 80%, 92%
CMY	0.0000, 0.1961, 0.0823
CMYK	0.00, 0.20, 0.08, 0.00
HSL	325°, 100%, 90%
HSV	325°, 20%, 100%
XYZ	77.9259, 70.8632, 87.4216
YIQ	223.2560, 20.4910, 19.6190

Conversions

Conversions Part 2

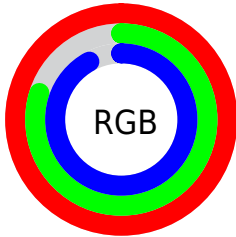
Format	Color
R _Y B	255, 205, 234
Decimal	16764394
CIE Lab	87.42, 22.20, -7.58
CIE LCh	87, 23.459, 341.150
Yxy	70.8632, 0.3299, 0.3000
Android (android.graphics.Color)	4294954474 (0xFFFFCDEA)
YUV	223.2560, 5.2968, 27.8395
Hunter-Lab	84.1803, 17.9224, -2.6467

Details

The Yxy color $70.8632, 0.3299, 0.3000$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $89.9898, 0.2986, 0.3599$, and the grayscale version is $73.9350, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $37.3533, 0.3342, 0.2945$ is the 20% darker color. If you saturate the color by 10%, you get $59.0461, 0.3412, 0.2845$, and if you desaturate by 10%, it is $84.7086, 0.3204, 0.3151$.

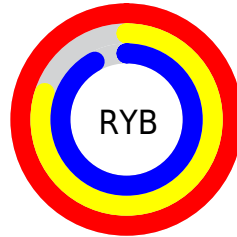
Distribution



Red (100%)

Green (80%)

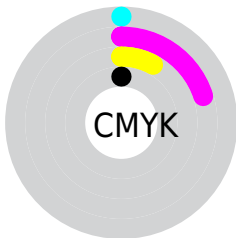
Blue (92%)



Red (100%)

Yellow (80%)

Blue (92%)

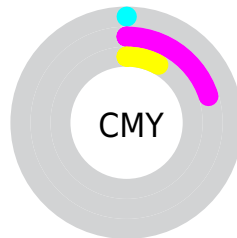


Cyan (0%)

Magenta (20%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (20%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.8632, 0.3299, 0.3000 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 70.8632, 0.3299, 0.3000 by changing the saturation by 10% instead.


 70.8632, 0.3299,
0.3000

 70.8632, 0.3299,
0.3000


463.5751, 0.3221,
0.3132

 52.2306, 0.3317,
0.2971


120.4389, 0.3272,
0.3045

 37.1889, 0.3338,
0.2934


152.1508, 0.3262,
0.3063

 25.3538, 0.3365,
0.2889


188.9912, 0.3252,
0.3078

 16.3408, 0.3401,
0.2831

231.3445, 0.3244,
0.3092

 9.7656, 0.3448,
0.2752

279.5952, 0.3237,
0.3103

 5.2439, 0.3515,
0.2642

334.1276, 0.3231,

 2.3910, 0.3618,

0.3114

0.2476

395.3261, 0.3226,
0.3123

0.8213, 0.3794,
0.2195

0.0000, 0.5527,
0.0000

70.8632, 0.3299,
0.3000

70.8632, 0.3299,
0.3000

59.0461, 0.3412,
0.2845

84.7086, 0.3204,
0.3151

49.1559, 0.3545,
0.2691

100.0000, 0.3127,
0.3290

41.0892, 0.3698,
0.2546

34.7312, 0.3871,
0.2421

■ 29.9537, 0.4059,
0.2328

■ 26.6105, 0.4257,
0.2279

■ 24.5274, 0.4456,
0.2282

■ 23.4320, 0.4649,
0.2336

■ 23.3969, 0.4656,
0.2339

Harmonies

Analogous

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



70.8632, 0.3009, 0.2859



70.8632, 0.3299, 0.3000



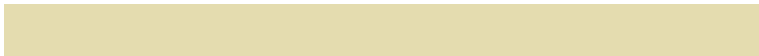
70.8632, 0.3551, 0.3212

Triad

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



70.8632, 0.3299, 0.3000



70.8632, 0.3490, 0.3786



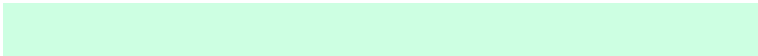
70.8632, 0.2599, 0.3088

Complementary

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



70.8632, 0.3299, 0.3000



89.9898, 0.2986, 0.3599

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.



70.8632, 0.2716, 0.3350



70.8632, 0.3299, 0.3000



70.8632, 0.3225, 0.3772

Square

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



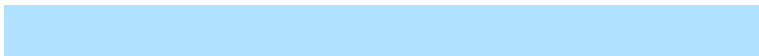
70.8632, 0.3299, 0.3000



70.8632, 0.3662, 0.3662



70.8632, 0.2942, 0.3609



70.8632, 0.2616, 0.2898

Rectangle

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



70.8632, 0.3299, 0.3000



70.8632, 0.3657, 0.3371



70.8632, 0.2942, 0.3609



70.8632, 0.2624, 0.3170

Sweetspot

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



70.8648, 0.3299, 0.3000



90.2169, 0.3173, 0.3204



67.0255, 0.2942, 0.2770



19.0922, 0.3179, 0.3195



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.



70.8648, 0.3299, 0.3000



65.4291, 0.3346, 0.2932



69.5353, 0.3485, 0.3248



18.1639, 0.3203, 0.3153



12.2559, 0.4626, 0.2322



1.2151, 0.4419, 0.2208

Inverse Universe

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



70.8648, 0.3299, 0.3000



65.4291, 0.3346, 0.2932



91.4539, 0.2854, 0.3332



18.1639, 0.3203, 0.3153



12.2559, 0.4626, 0.2322



1.2151, 0.4419, 0.2208

Previews

White Background



This preview shows how the Yxy color 70.8632, 0.3299, 0.3000 looks on a white background.

Color Contrast Check

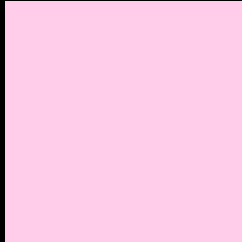
Large Text (above 18pt) WCAG AA × Fail

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 70.8632, 0.3299, 0.3000 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 70.8632, 0.3299, 0.3000

Background



This preview shows how black text looks on a background with the Yxy color 70.8632, 0.3299, 0.3000.



This preview shows how white text looks on a background with the Yxy color 70.8632, 0.3299, 0.3000.

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

70.8632, 0.3299, 0.3000

Protanopia

71.3053, 0.2965, 0.3033

Deuteranopia

71.1339, 0.3152, 0.3081



Tritanopia

71.0242, 0.3370, 0.3129

Trichromacy



Original Color

70.8632, 0.3299, 0.3000

Protanomaly

70.8094, 0.3082, 0.3018

Deuteranomaly

70.8536, 0.3205, 0.3053

Tritanomaly

70.7595, 0.3342, 0.3078

Monochromacy



Original Color

70.8632, 0.3299, 0.3000

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

72.3200, 0.3191, 0.3175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8632, 0.3299, 0.3000 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, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 234)  
}
```

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, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 234) }
```

Border

The CSS property to change the border of an element to Yxy 70.8632, 0.3299, 0.3000 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, 234) }
```

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

```
.border{ border-color:rgb(255, 205, 234) }
```

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, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8632, 0.3299, 0.3000 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, 234) }
```

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

```
.background{ background-color: rgb(255,  
205, 234) }
```

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