

Converting Colors

$Y_{xy}(70.4132, 0.3297, 0.2985)$

Have a look what the booklet for
Yxy(70.4132, 0.3297, 0.2985)
contains.

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Color

Yxy(70.3862, 0.3300, 0.2990)

Conversions

Conversions Part 1

Format	Color
Hex	FFCCEA
RGB	255, 204, 234
RGB Percent	100%, 80%, 92%
CMY	0.0000, 0.2000, 0.0823
CMYK	0.00, 0.20, 0.08, 0.00
HSL	325°, 100%, 90%
HSV	325°, 20%, 100%
XYZ	77.6838, 70.3862, 87.3354
YIQ	222.6690, 20.7660, 20.1420

Conversions

Conversions Part 2

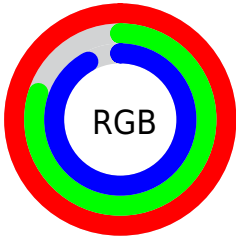
Format	Color
R _Y B	255, 204, 234
Decimal	16764138
CIE Lab	87.19, 22.72, -7.92
CIE LCh	87, 24.058, 340.782
Yxy	70.3862, 0.3300, 0.2990
Android (android.graphics.Color)	4294954218 (0xFFFFCCEA)
YUV	222.6690, 5.5862, 28.3543
Hunter-Lab	83.8965, 18.4628, -2.9927

Details

The Yxy color **70.3862, 0.3300, 0.2990** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **89.7938, 0.2986, 0.3611**, and the grayscale version is **73.4954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.0328, 0.3344, 0.2932** is the 20% darker color. If you saturate the color by 10%, you get **58.6575, 0.3412, 0.2833**, and if you desaturate by 10%, it is **84.1413, 0.3206, 0.3144**.

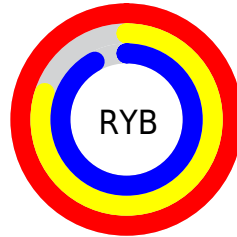
Distribution



Red (100%)

Green (80%)

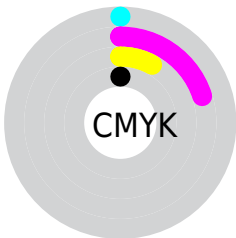
Blue (92%)



Red (100%)

Yellow (80%)

Blue (92%)

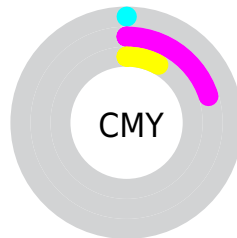


Cyan (0%)

Magenta (20%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (20%)

Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.3862, 0.3300, 0.2990 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 70.3862, 0.3300, 0.2990 by changing the saturation by 10% instead.

 70.3862, 0.3300,
0.2990

 70.3862, 0.3300,
0.2990


461.9049, 0.3221,
0.3126

 51.8414, 0.3318,
0.2960


119.7593, 0.3273,
0.3037

 36.8787, 0.3339,
0.2922


151.3565, 0.3262,
0.3055

 25.1136, 0.3367,
0.2875


188.0733, 0.3253,
0.3071

 16.1617, 0.3402,
0.2815

230.2940, 0.3245,
0.3085

 9.6387, 0.3450,
0.2734

278.4032, 0.3238,
0.3097

 5.1600, 0.3517,
0.2620


332.7851, 0.3232,


 2.3415, 0.3620,


0.3108

0.2448

393.8242, 0.3226,
0.3118


 0.7955, 0.3798,
0.2154


 0.0000, 0.5465,
0.0000

 70.3862, 0.3300,
0.2990


 70.3862, 0.3300,
0.2990

 58.6575, 0.3412,
0.2833

 84.1413, 0.3206,
0.3144

 48.8488, 0.3543,
0.2677

99.9998, 0.3127,
0.3290

 40.8581, 0.3693,
0.2531

 34.5700, 0.3863,
0.2406

■ 29.8559, 0.4047,
0.2312

■ 26.5687, 0.4240,
0.2263

■ 24.5329, 0.4434,
0.2267

■ 23.4623, 0.4622,
0.2320

■ 23.4621, 0.4622,
0.2320

Harmonies

Analogous

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



70.3862, 0.3002, 0.2846



70.3862, 0.3300, 0.2990



70.3862, 0.3560, 0.3207

Triad

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



70.3862, 0.3300, 0.2990



70.3862, 0.3503, 0.3800



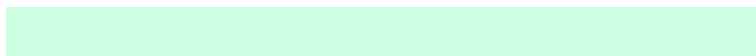
70.3862, 0.2586, 0.3085

Complementary

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



70.3862, 0.3300, 0.2990



89.7938, 0.2986, 0.3611

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.



70.3862, 0.2707, 0.3355



70.3862, 0.3300, 0.2990



70.3862, 0.3231, 0.3787

Square

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



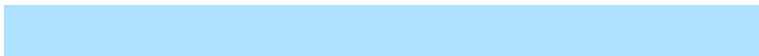
70.3862, 0.3300, 0.2990



70.3862, 0.3678, 0.3670



70.3862, 0.2940, 0.3621



70.3862, 0.2601, 0.2888

Rectangle

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



70.3862, 0.3300, 0.2990



70.3862, 0.3671, 0.3370



70.3862, 0.2940, 0.3621



70.3862, 0.2612, 0.3170

Sweetspot

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



70.3893, 0.3300, 0.2990



90.2246, 0.3173, 0.3203



66.3206, 0.2932, 0.2757



19.0940, 0.3178, 0.3194



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.



70.3893, 0.3300, 0.2990



65.4567, 0.3343, 0.2927



69.0573, 0.3487, 0.3239



18.1664, 0.3202, 0.3151



12.2900, 0.4593, 0.2304



1.2184, 0.4391, 0.2193

Inverse Universe

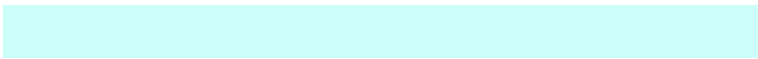
The Inverse Universe completely reimagines the original color for something new.



70.3893, 0.3300, 0.2990



65.4567, 0.3343, 0.2927



91.2533, 0.2853, 0.3342



18.1664, 0.3202, 0.3151



12.2900, 0.4593, 0.2304



1.2184, 0.4391, 0.2193

Previews

White Background



This preview shows how the Yxy color 70.3862, 0.3300, 0.2990 looks on a white background.

Color Contrast Check

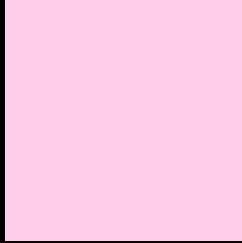
Large Text (above 18pt) WCAG AA × Fail

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 70.3862, 0.3300, 0.2990 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 70.3862, 0.3300, 0.2990

Background



This preview shows how black text looks on a background with the Yxy color 70.3862, 0.3300, 0.2990.



This preview shows how white text looks on a background with the Yxy color 70.3862, 0.3300, 0.2990.

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

70.3862, 0.3300, 0.2990

Protanopia

70.6354, 0.2958, 0.3021

Deuteranopia

70.4056, 0.3152, 0.3080



Tritanopia

70.2992, 0.3371, 0.3128

Trichromacy



Original Color

70.3862, 0.3300, 0.2990

Protanomaly

70.1420, 0.3076, 0.3006

Deuteranomaly

70.3614, 0.3205, 0.3043

Tritanomaly

70.2245, 0.3350, 0.3078

Monochromacy



Original Color

70.3862, 0.3300, 0.2990

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 70.3862, 0.3300, 0.2990 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, 204, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 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, 204, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 234) }
```

Border

The CSS property to change the border of an element to Yxy 70.3862, 0.3300, 0.2990 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, 204, 234) }
```

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

```
.border{ border-color:rgb(255, 204, 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, 204, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 70.3862, 0.3300, 0.2990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 204, 234) }
```

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

```
.background{ background-color: rgb(255,  
204, 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](#).

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