

Converting Colors

$Y_{xy}(72.1947, 0.3333, 0.2901)$

Have a look what the booklet for
Yxy(72.1947, 0.3333, 0.2901)
contains.

Yxy(69.9119, 0.3244, 0.2893)	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(69.9119, 0.3244, 0.2893)

Conversions

Conversions Part 1

Format	Color
Hex	FFCAF2
RGB	255, 202, 242
RGB Percent	100%, 79%, 95%
CMY	0.0000, 0.2079, 0.0510
CMYK	0.00, 0.21, 0.05, 0.00
HSL	315°, 100%, 90%
HSV	315°, 21%, 100%
XYZ	78.3941, 69.9119, 93.3528
YIQ	222.4070, 18.7480, 23.6760

Conversions

Conversions Part 2

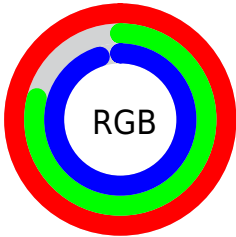
Format	Color
RYB	255, 202, 242
Decimal	16763634
CIELab	86.95, 25.14, -12.49
CIELCh	87, 28.073, 333.575
Yxy	69.9119, 0.3244, 0.2893
Android (android.graphics.Color)	4294953714 (0xFFFFCAF2)
YUV	222.4070, 9.6593, 28.5841
Hunter-Lab	83.6133, 21.0345, -7.6669

Details

The Yxy color **69.9119, 0.3244, 0.2893** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **88.9828, 0.3028, 0.3723**, and the grayscale version is **73.2657, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.7307, 0.3269, 0.2809** is the 20% darker color. If you saturate the color by 10%, you get **58.5452, 0.3314, 0.2696**, and if you desaturate by 10%, it is **83.2621, 0.3183, 0.3088**.

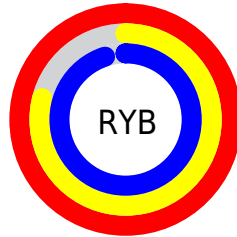
Distribution



Red (100%)

Green (79%)

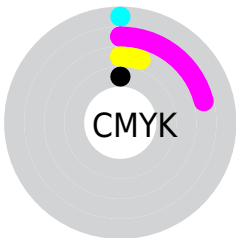
Blue (95%)



Red (100%)

Yellow (79%)

Blue (95%)

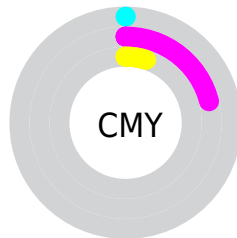


Cyan (0%)

Magenta (21%)

Yellow (5%)

Black (0%)



Cyan (0%)


Magenta (21%)


Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.9119, 0.3244, 0.2893 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 69.9119, 0.3244, 0.2893 by changing the saturation by 10% instead.


 69.9119, 0.3244,
0.2893

 69.9119, 0.3244,
0.2893


460.2406, 0.3192,
0.3072

 51.4547, 0.3255,
0.2853


119.0831, 0.3227,
0.2954

 36.5706, 0.3269,
0.2805


150.5659, 0.3220,
0.2978

 24.8752, 0.3286,
0.2744


187.1594, 0.3214,
0.2999

 15.9841, 0.3307,
0.2667

229.2479, 0.3208,
0.3017

 9.5129, 0.3334,
0.2564

277.2159, 0.3204,
0.3033

 5.0772, 0.3371,
0.2421

331.4478, 0.3200,

 2.2926, 0.3424,

0.3047

0.2209

392.3279, 0.3196,
0.3060

0.7698, 0.3505,
0.1858

0.0000, 0.3667,
0.0000

69.9119, 0.3244,
0.2893

69.9119, 0.3244,
0.2893

58.5452, 0.3314,
0.2696

83.2621, 0.3183,
0.3088

49.0745, 0.3393,
0.2504

98.6959, 0.3131,
0.3276

41.3913, 0.3481,
0.2325

100.0000, 0.3127,
0.3290

35.3798, 0.3576,
0.2170

■ 30.9107, 0.3676,
0.2050

■ 27.8356, 0.3777,
0.1973

■ 25.9767, 0.3876,
0.1945

■ 25.0826, 0.3964,
0.1958

Harmonies

Analogous

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



69.9119, 0.2901, 0.2753



69.9119, 0.3244, 0.2893



69.9119, 0.3570, 0.3126

Triad

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



69.9119, 0.3244, 0.2893



69.9119, 0.3627, 0.3862



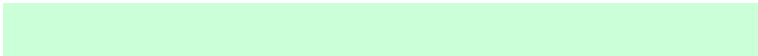
69.9119, 0.2518, 0.3117

Complementary

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



69.9119, 0.3244, 0.2893



88.9828, 0.3028, 0.3723

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.



69.9119, 0.2692, 0.3445



69.9119, 0.3244, 0.2893



69.9119, 0.3328, 0.3896

Square

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



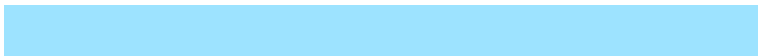
69.9119, 0.3244, 0.2893



69.9119, 0.3796, 0.3674



69.9119, 0.2985, 0.3742



69.9119, 0.2498, 0.2863

Rectangle

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



69.9119, 0.3244, 0.2893



69.9119, 0.3726, 0.3311



69.9119, 0.2985, 0.3742



69.9119, 0.2560, 0.3222

Sweetspot

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



69.9087, 0.3244, 0.2893



90.3840, 0.3157, 0.3179



63.8097, 0.2861, 0.2724



19.1318, 0.3160, 0.3167



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.



69.9087, 0.3244, 0.2893



64.8831, 0.3272, 0.2810



68.4635, 0.3437, 0.3147



18.2196, 0.3176, 0.3112



13.1311, 0.3949, 0.1949



1.2958, 0.3846, 0.1892

Inverse Universe

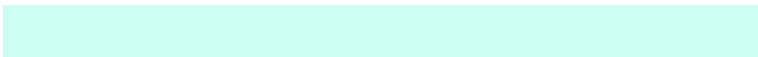
The Inverse Universe completely reimagines the original color for something new.



69.9087, 0.3244, 0.2893



64.8831, 0.3272, 0.2810



90.4187, 0.2889, 0.3439



18.2196, 0.3176, 0.3112



13.1311, 0.3949, 0.1949



1.2958, 0.3846, 0.1892

Previews

White Background



This preview shows how the Yxy color 69.9119, 0.3244, 0.2893 looks on a white background.

Color Contrast Check

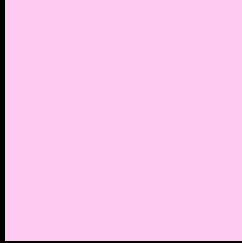
Large Text (above 18pt) WCAG AA × Fail

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 69.9119, 0.3244, 0.2893 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

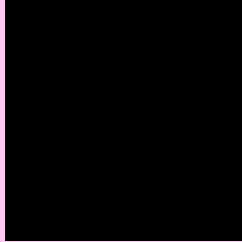
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.9119, 0.3244, 0.2893

Background



This preview shows how black text looks on a background with the Yxy color 69.9119, 0.3244, 0.2893.



This preview shows how white text looks on a background with the Yxy color 69.9119, 0.3244, 0.2893.

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

69.9119, 0.3244, 0.2893

Protanopia

70.0738, 0.2876, 0.2916

Deuteranopia

70.0363, 0.3062, 0.2996



Tritanopia

70.1120, 0.3363, 0.3127

Trichromacy



Original Color

69.9119, 0.3244, 0.2893



Protanomaly

69.8598, 0.3002, 0.2904



Deuteranomaly

69.6398, 0.3121, 0.2949



Tritanomaly

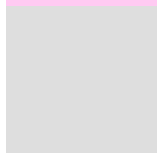
70.2024, 0.3321, 0.3048

Monochromacy



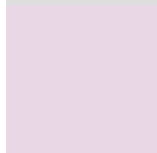
Original Color

69.9119, 0.3244, 0.2893



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

71.7504, 0.3170, 0.3143

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.9119, 0.3244, 0.2893 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, 202, 242)` looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 242)  
}
```

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, 202, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 242) }
```

Border

The CSS property to change the border of an element to Yxy 69.9119, 0.3244, 0.2893 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, 202, 242) }
```

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

```
.border{ border-color:rgb(255, 202, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 202, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 242);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 69.9119, 0.3244, 0.2893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 202, 242) }
```

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

```
.background{ background-color: rgb(255,  
202, 242) }
```

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