

Converting Colors

$Yxy(68.0886, 0.3294, 0.2924)$

Have a look what the booklet for
Yxy(68.0886, 0.3294, 0.2924)
contains.

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Color

Yxy(68.1050, 0.3298, 0.2930)

Conversions

Conversions Part 1

Format	Color
Hex	FFC7EB
RGB	255, 199, 235
RGB Percent	100%, 78%, 92%
CMY	0.0000, 0.2196, 0.0786
CMYK	0.00, 0.22, 0.08, 0.00
HSL	321°, 100%, 89%
HSV	321°, 22%, 100%
XYZ	76.6588, 68.1050, 87.6765
YIQ	219.8480, 21.8200, 23.0680

Conversions

Conversions Part 2

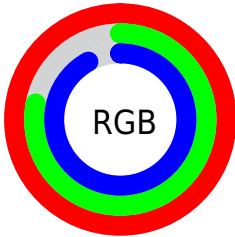
Format	Color
R _Y B	255, 199, 235
Decimal	16762859
CIE Lab	86.06, 25.51, -10.10
CIE LCh	86, 27.438, 338.393
Yxy	68.1050, 0.3298, 0.2930
Android (android.graphics.Color)	4294952939 (0xFFFFC7EB)
YUV	219.8480, 7.4699, 30.8283
Hunter-Lab	82.5258, 21.3899, -5.2225

Details

The Yxy color **68.1050, 0.3298, 0.2930** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **88.7791, 0.2989, 0.3680**, and the grayscale version is **71.3925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.5112, 0.3341, 0.2855** is the 20% darker color. If you saturate the color by 10%, you get **56.8233, 0.3399, 0.2759**, and if you desaturate by 10%, it is **81.3799, 0.3212, 0.3098**.

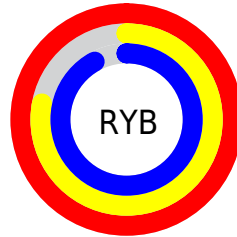
Distribution



Red (100%)

Green (78%)

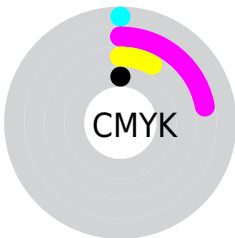
Blue (92%)



Red (100%)

Yellow (78%)

Blue (92%)

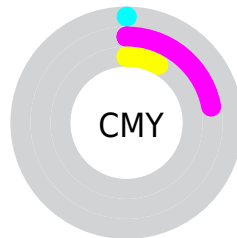


Cyan (0%)

Magenta (22%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (22%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.1050, 0.3298, 0.2930 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 68.1050, 0.3298, 0.2930 by changing the saturation by 10% instead.

 68.1050, 0.3298,
0.2930

 68.1050, 0.3298,
0.2930


453.8679, 0.3220,
0.3093

 49.9832, 0.3315,
0.2893


116.5023, 0.3271,
0.2986

 35.4000, 0.3337,
0.2849


147.5466, 0.3261,
0.3008

 23.9712, 0.3363,
0.2792


183.6672, 0.3252,
0.3027

 15.3122, 0.3398,
0.2720

225.2484, 0.3244,
0.3044

 9.0388, 0.3444,
0.2623

272.6747, 0.3237,
0.3058

 4.7665, 0.3508,
0.2487

326.3305, 0.3231,


 2.1109, 0.3606,


0.3071


0.2282


386.6001, 0.3225,
0.3083


 0.6708, 0.3786,
0.1904


 0.0000, 0.4735,
0.0000

 68.1050, 0.3298,
0.2930

 68.1050, 0.3298,
0.2930

 56.8233, 0.3399,
0.2759

 81.3799, 0.3212,
0.3098

 47.4364, 0.3515,
0.2592

 96.7393, 0.3140,
0.3259

 39.8375, 0.3647,
0.2438

100.0000, 0.3127,
0.3290

 33.9094, 0.3794,
0.2307

■ 29.5203, 0.3950,
0.2211

■ 26.5190, 0.4112,
0.2160

■ 24.7226, 0.4272,
0.2162

■ 23.9321, 0.4398,
0.2196

Harmonies

Analogous

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



68.1050, 0.2956, 0.2775



68.1050, 0.3298, 0.2930



68.1050, 0.3607, 0.3171

Triad

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



68.1050, 0.3298, 0.2930



68.1050, 0.3580, 0.3871



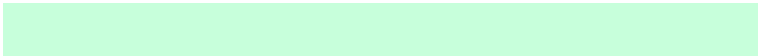
68.1050, 0.2513, 0.3073

Complementary

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



68.1050, 0.3298, 0.2930



88.7791, 0.2989, 0.3680

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.



68.1050, 0.2662, 0.3390



68.1050, 0.3298, 0.2930



68.1050, 0.3271, 0.3875

Square

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



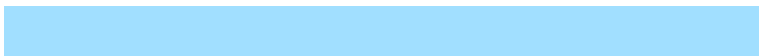
68.1050, 0.3298, 0.2930



68.1050, 0.3771, 0.3706



68.1050, 0.2936, 0.3695



68.1050, 0.2518, 0.2840

Rectangle

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



68.1050, 0.3298, 0.2930



68.1050, 0.3744, 0.3356



68.1050, 0.2936, 0.3695



68.1050, 0.2546, 0.3173

Sweetspot

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



68.1051, 0.3298, 0.2930



88.7308, 0.3175, 0.3179



63.0673, 0.2889, 0.2697



18.7946, 0.3179, 0.3169



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.



68.1051, 0.3298, 0.2930



63.3116, 0.3337, 0.2861



66.6336, 0.3510, 0.3205



18.1836, 0.3193, 0.3138



12.5346, 0.4373, 0.2183



1.2413, 0.4205, 0.2090

Inverse Universe

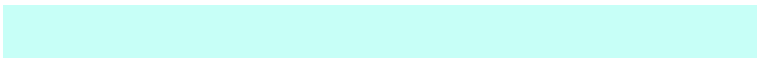
The Inverse Universe completely reimagines the original color for something new.



68.1051, 0.3298, 0.2930



63.3116, 0.3337, 0.2861



90.3535, 0.2843, 0.3378



18.1836, 0.3193, 0.3138



12.5346, 0.4373, 0.2183



1.2413, 0.4205, 0.2090

Previews

White Background



This preview shows how the Yxy color 68.1050, 0.3298, 0.2930 looks on a white background.

Color Contrast Check

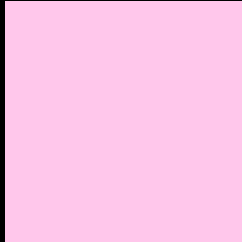
Large Text (above 18pt) WCAG AA × Fail

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 68.1050, 0.3298, 0.2930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

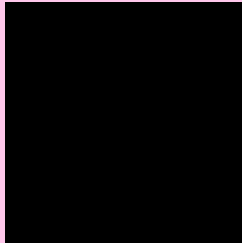
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.1050, 0.3298, 0.2930

Background



This preview shows how black text looks on a background with the Yxy color 68.1050, 0.3298, 0.2930.



This preview shows how white text looks on a background with the Yxy color 68.1050, 0.3298, 0.2930.

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

68.1050, 0.3298, 0.2930

Protanopia

68.4737, 0.2911, 0.2965

Deuteranopia

67.9781, 0.3102, 0.3034



Tritanopia

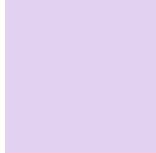
68.1857, 0.3407, 0.3127

Trichromacy



Original Color

68.1050, 0.3298, 0.2930



Protanomaly

68.2827, 0.3041, 0.2952



Deuteranomaly

67.7803, 0.3171, 0.2988



Tritanomaly

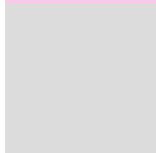
68.2259, 0.3370, 0.3057

Monochromacy



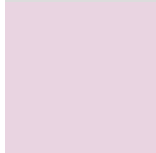
Original Color

68.1050, 0.3298, 0.2930



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

69.8468, 0.3193, 0.3152

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.1050, 0.3298, 0.2930 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, 199, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 235)  
}
```

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, 199, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 235) }
```

Border

The CSS property to change the border of an element to Yxy 68.1050, 0.3298, 0.2930 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, 199, 235) }
```

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

```
.border{ border-color:rgb(255, 199, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 199, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 68.1050, 0.3298, 0.2930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 235) }
```

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

```
.background{ background-color: rgb(255,  
199, 235) }
```

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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