

Converting Colors

$Y_{xy}(68.6518, 0.3338, 0.3004)$

Have a look what the booklet for
Yxy(68.6518, 0.3338, 0.3004)
contains.

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Color

Yxy(68.6904, 0.3340, 0.3008)

Conversions

Conversions Part 1

Format	Color
Hex	FFC9E5
RGB	255, 201, 229
RGB Percent	100%, 79%, 90%
CMY	0.0000, 0.2117, 0.1018
CMYK	0.00, 0.21, 0.10, 0.00
HSL	329°, 100%, 89%
HSV	329°, 21%, 100%
XYZ	76.2719, 68.6904, 83.3967
YIQ	220.3380, 23.1960, 20.1560

Conversions

Conversions Part 2

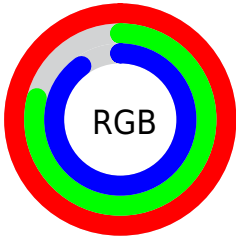
Format	Color
R _Y B	255, 201, 229
Decimal	16763365
CIE Lab	86.35, 23.47, -6.52
CIE LCh	86, 24.359, 344.467
Yxy	68.6904, 0.3340, 0.3008
Android (android.graphics.Color)	4294953445 (0xFFFFC9E5)
YUV	220.3380, 4.2704, 30.3986
Hunter-Lab	82.8797, 19.2293, -1.6441

Details

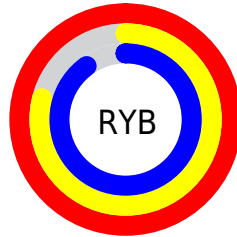
The Yxy color **68.6904, 0.3340, 0.3008** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **89.4776, 0.2958, 0.3590**, and the grayscale version is **71.7788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.9292, 0.3388, 0.2943** is the 20% darker color. If you saturate the color by 10%, you get **57.1141, 0.3473, 0.2868**, and if you desaturate by 10%, it is **82.2945, 0.3229, 0.3145**.

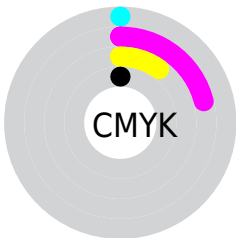
Distribution



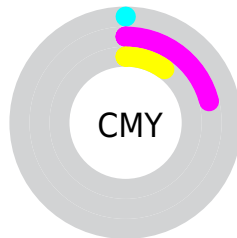
- Red (100%)
- Green (79%)
- Blue (90%)



- Red (100%)
- Yellow (79%)
- Blue (90%)



- Cyan (0%)
- Magenta (21%)
- Yellow (10%)
- Black (0%)



- Cyan (0%)
- Magenta (21%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.6904, 0.3340, 0.3008 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 68.6904, 0.3340, 0.3008 by changing the saturation by 10% instead.

 68.6904, 0.3340,
0.3008

 68.6904, 0.3340,
0.3008

455.9383, 0.3242,
0.3137

 50.4596, 0.3362,
0.2979


117.3393, 0.3306,
0.3052

 35.7787, 0.3390,
0.2943


148.5261, 0.3293,
0.3070

 24.2634, 0.3425,
0.2898


184.8005, 0.3281,
0.3085

 15.5291, 0.3470,
0.2840

226.5467, 0.3272,
0.3098

 9.1915, 0.3532,
0.2761

274.1492, 0.3263,
0.3109

 4.8663, 0.3620,
0.2650


327.9924, 0.3255,


 2.1690, 0.3758,


0.3120


0.2480


388.4606, 0.3248,
0.3129


 0.7030, 0.4016,
0.2159


 0.0000, 0.9213,
0.0000


 68.6904, 0.3340,
0.3008


 68.6904, 0.3340,
0.3008

 57.1141, 0.3473,
0.2868


 82.2945, 0.3229,
0.3145

 47.4582, 0.3630,
0.2730

 98.0087, 0.3137,
0.3275

 39.6190, 0.3812,
0.2602

99.9988, 0.3127,
0.3290

 33.4795, 0.4019,
0.2494

■ 28.9088, 0.4245,
0.2420

■ 25.7567, 0.4482,
0.2392

■ 23.8427, 0.4718,
0.2418

■ 22.9363, 0.4918,
0.2483

Harmonies

Analogous

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



68.6904, 0.3036, 0.2850



68.6904, 0.3340, 0.3008



68.6904, 0.3595, 0.3235

Triad

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



68.6904, 0.3340, 0.3008



68.6904, 0.3480, 0.3817



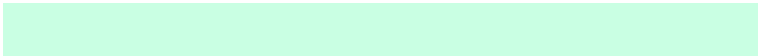
68.6904, 0.2570, 0.3050

Complementary

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



68.6904, 0.3340, 0.3008



89.4776, 0.2958, 0.3590

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.



68.6904, 0.2677, 0.3321



68.6904, 0.3340, 0.3008



68.6904, 0.3196, 0.3785

Square

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



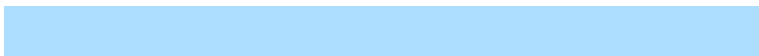
68.6904, 0.3340, 0.3008



68.6904, 0.3675, 0.3700



68.6904, 0.2903, 0.3598



68.6904, 0.2602, 0.2863

Rectangle

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



68.6904, 0.3340, 0.3008



68.6904, 0.3696, 0.3402



68.6904, 0.2903, 0.3598



68.6904, 0.2590, 0.3134

Sweetspot

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



68.6935, 0.3340, 0.3008



90.1590, 0.3179, 0.3213



65.1958, 0.2944, 0.2727



19.0785, 0.3185, 0.3205



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.



68.6935, 0.3340, 0.3008



64.0319, 0.3388, 0.2955



67.3365, 0.3542, 0.3273



18.1446, 0.3212, 0.3167



12.0158, 0.4882, 0.2463



1.1920, 0.4639, 0.2329

Inverse Universe

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



68.6935, 0.3340, 0.3008



64.0319, 0.3388, 0.2955



91.0382, 0.2820, 0.3308



18.1446, 0.3212, 0.3167



12.0158, 0.4882, 0.2463



1.1920, 0.4639, 0.2329

Previews

White Background



This preview shows how the Yxy color 68.6904, 0.3340, 0.3008 looks on a white background.

Color Contrast Check

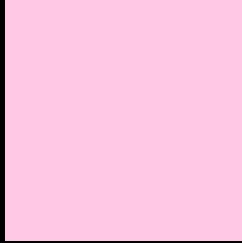
Large Text (above 18pt) WCAG AA × Fail

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 68.6904, 0.3340, 0.3008 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 68.6904, 0.3340, 0.3008

Background



This preview shows how black text looks on a background with the Yxy color 68.6904, 0.3340, 0.3008.



This preview shows how white text looks on a background with the Yxy color 68.6904, 0.3340, 0.3008.

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

68.6904, 0.3340, 0.3008

Protanopia

69.0701, 0.2969, 0.3040

Deuteranopia

68.7950, 0.3173, 0.3110



Tritanopia

68.8972, 0.3406, 0.3128

Trichromacy



Original Color

68.6904, 0.3340, 0.3008

Protanomaly

68.7494, 0.3096, 0.3025

Deuteranomaly

68.7523, 0.3227, 0.3071

Tritanomaly

68.6396, 0.3377, 0.3077

Monochromacy



Original Color

68.6904, 0.3340, 0.3008

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

70.2399, 0.3206, 0.3184

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.6904, 0.3340, 0.3008 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, 201, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 201, 229)  
}
```

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, 201, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 201, 229) }
```

Border

The CSS property to change the border of an element to Yxy 68.6904, 0.3340, 0.3008 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, 201, 229) }
```

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

```
.border{ border-color:rgb(255, 201, 229) }
```

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

Here you see how a box with a 4 pixel rgb(255, 201, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 201, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 201, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 201,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 68.6904, 0.3340, 0.3008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 201, 229) }
```

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

```
.background{ background-color: rgb(255,  
201, 229) }
```

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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