

Converting Colors

$Y_{xy}(70.8105, 0.3248, 0.2920)$

Have a look what the booklet for
Yxy(70.8105, 0.3248, 0.2920)
contains.

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Color

Yxy(70.7966, 0.3249, 0.2923)

Conversions

Conversions Part 1

Format	Color
Hex	FFCCF1
RGB	255, 204, 241
RGB Percent	100%, 80%, 95%
CMY	0.0002, 0.1999, 0.0550
CMYK	0.00, 0.20, 0.05, 0.00
HSL	316°, 100%, 90%
HSV	316°, 20%, 100%
XYZ	78.6925, 70.7966, 92.7162
YIQ	223.4670, 18.5190, 22.3190

Conversions

Conversions Part 2

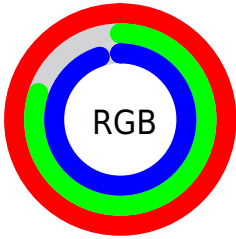
Format	Color
R _Y B	255, 204, 241
Decimal	16764145
CIE Lab	87.39, 23.87, -11.31
CIE LCh	87, 26.416, 334.638
Yxy	70.7966, 0.3249, 0.2923
Android (android.graphics.Color)	4294954225 (0xFFFFCCF1)
YUV	223.4670, 8.6438, 27.6544
Hunter-Lab	84.1407, 19.6956, -6.4342

Details

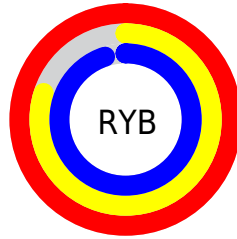
The Yxy color $70.7966, 0.3249, 0.2923$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $89.3909, 0.3024, 0.3687$, and the grayscale version is $74.0675, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $37.3212, 0.3276, 0.2847$ is the 20% darker color. If you saturate the color by 10%, you get $59.2438, 0.3325, 0.2733$, and if you desaturate by 10%, it is $84.3554, 0.3183, 0.3110$.

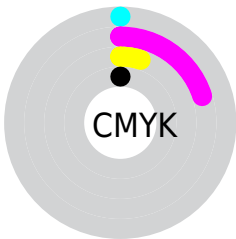
Distribution



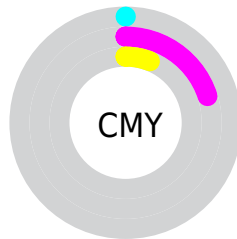
- Red (100%)
- Green (80%)
- Blue (95%)



- Red (100%)
- Yellow (80%)
- Blue (95%)



- Cyan (0%)
- Magenta (20%)
- Yellow (5%)
- Black (0%)




- Cyan (0%)
- Magenta (20%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.7966, 0.3249, 0.2923 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 70.7966, 0.3249, 0.2923 by changing the saturation by 10% instead.

 70.7966, 0.3249,
0.2923

 70.7966, 0.3249,
0.2923


463.3421, 0.3195,
0.3088

 52.1762, 0.3261,
0.2886


120.3441, 0.3231,
0.2980

 37.1456, 0.3275,
0.2841


152.0399, 0.3223,
0.3002

 25.3202, 0.3293,
0.2785


188.8631, 0.3217,
0.3021

 16.3158, 0.3316,
0.2714

231.1980, 0.3212,
0.3038

 9.7479, 0.3346,
0.2618

279.4289, 0.3207,
0.3053

 5.2321, 0.3387,
0.2485

333.9403, 0.3202,

 2.3841, 0.3445,

0.3066

0.2287

395.1166, 0.3198,
0.3078

0.8177, 0.3538,
0.1963

0.0000, 0.3926,
0.0000

70.7966, 0.3249,
0.2923

70.7966, 0.3249,
0.2923

59.2438, 0.3325,
0.2733

84.3554, 0.3183,
0.3110

49.5910, 0.3413,
0.2546

99.9882, 0.3127,
0.3290

41.7369, 0.3511,
0.2371

99.9902, 0.3127,
0.3290

35.5665, 0.3617,
0.2219

■ 30.9519, 0.3730,
0.2100

■ 27.7466, 0.3846,
0.2024

■ 25.7757, 0.3960,
0.1998

■ 24.7547, 0.4071,
0.2016

■ 24.7523, 0.4071,
0.2016

Harmonies

Analogous

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



70.7966, 0.2926, 0.2787



70.7966, 0.3249, 0.2923



70.7966, 0.3551, 0.3145

Triad

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



70.7966, 0.3249, 0.2923



70.7966, 0.3588, 0.3830



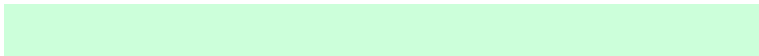
70.7966, 0.2552, 0.3119

Complementary

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



70.7966, 0.3249, 0.2923



89.3909, 0.3024, 0.3687

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.



70.7966, 0.2711, 0.3424



70.7966, 0.3249, 0.2923



70.7966, 0.3305, 0.3854

Square

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



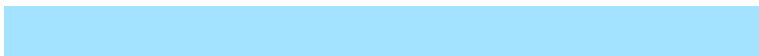
70.7966, 0.3249, 0.2923



70.7966, 0.3751, 0.3660



70.7966, 0.2984, 0.3704



70.7966, 0.2538, 0.2884

Rectangle

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



70.7966, 0.3249, 0.2923



70.7966, 0.3694, 0.3320



70.7966, 0.2984, 0.3704



70.7966, 0.2590, 0.3217

Sweetspot

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



70.7997, 0.3249, 0.2923



90.3562, 0.3160, 0.3183



65.2619, 0.2885, 0.2751



19.1252, 0.3163, 0.3171



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.



70.7997, 0.3249, 0.2923



65.9397, 0.3278, 0.2846



69.4036, 0.3435, 0.3170



18.2103, 0.3180, 0.3119



12.9660, 0.4053, 0.2007



1.2809, 0.3935, 0.1941

Inverse Universe

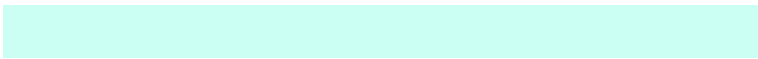
The Inverse Universe completely reimagines the original color for something new.



70.7997, 0.3249, 0.2923



65.9397, 0.3278, 0.2846



90.8039, 0.2889, 0.3414



18.2103, 0.3180, 0.3119



12.9660, 0.4053, 0.2007



1.2809, 0.3935, 0.1941

Previews

White Background



This preview shows how the Yxy color 70.7966, 0.3249, 0.2923 looks on a white background.

Color Contrast Check

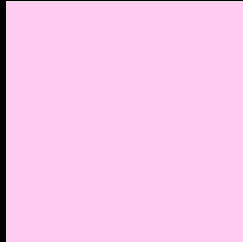
Large Text (above 18pt) WCAG AA × Fail

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 70.7966, 0.3249, 0.2923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

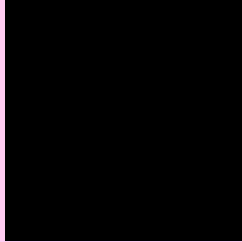
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.7966, 0.3249, 0.2923

Background



This preview shows how black text looks on a background with the Yxy color 70.7966, 0.3249, 0.2923.



This preview shows how white text looks on a background with the Yxy color 70.7966, 0.3249, 0.2923.

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

70.7966, 0.3249, 0.2923

Protanopia

71.3411, 0.2896, 0.2949

Deuteranopia

70.8094, 0.3082, 0.3018



Tritanopia

70.8360, 0.3362, 0.3128

Trichromacy



Original Color

70.7966, 0.3249, 0.2923

Protanomaly

70.9619, 0.3016, 0.2936

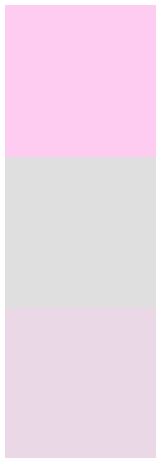
Deuteranomaly

70.9097, 0.3142, 0.2982

Tritanomaly

70.9266, 0.3320, 0.3049

Monochromacy



Original Color

70.7966, 0.3249, 0.2923

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

72.4871, 0.3170, 0.3144

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7966, 0.3249, 0.2923 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, 241)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 241)  
}
```

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, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 241) }
```

Border

The CSS property to change the border of an element to Yxy 70.7966, 0.3249, 0.2923 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, 241) }
```

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

```
.border{ border-color:rgb(255, 204, 241) }
```

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, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 241);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7966, 0.3249, 0.2923 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, 241) }
```

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

```
.background{ background-color: rgb(255,  
204, 241) }
```

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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