

Converting Colors

$Y_{xy}(70.7022, 0.3178, 0.2812)$

Have a look what the booklet for
Yxy(70.7022, 0.3178, 0.2812)
contains.

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Color

Yxy(70.4661, 0.3179, 0.2809)

Conversions

Conversions Part 1

Format	Color
Hex	FFCAFB
RGB	255, 202, 251
RGB Percent	100%, 79%, 98%
CMY	0.0003, 0.2077, 0.0158
CMYK	0.00, 0.21, 0.02, 0.00
HSL	304°, 100%, 90%
HSV	304°, 21%, 100%
XYZ	79.7479, 70.4661, 100.6444
YIQ	223.4330, 15.8590, 26.4750

Conversions

Conversions Part 2

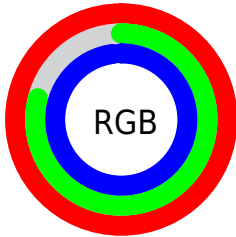
Format	Color
R _Y B	255, 202, 251
Decimal	16763643
CIE Lab	87.22, 26.65, -16.85
CIE LCh	87, 31.532, 327.702
Yxy	70.4661, 0.3179, 0.2809
Android (android.graphics.Color)	4294953723 (0xFFFFCAF _B)
YUV	223.4330, 13.5905, 27.6843
Hunter-Lab	83.9441, 22.6749, -12.3246

Details

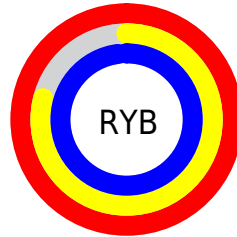
The Yxy color $70.4661, 0.3179, 0.2809$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $88.4873, 0.3078, 0.3823$, and the grayscale version is $74.0066, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $37.0806, 0.3193, 0.2715$ is the 20% darker color. If you saturate the color by 10%, you get $59.3559, 0.3208, 0.2574$, and if you desaturate by 10%, it is $83.5597, 0.3153, 0.3044$.

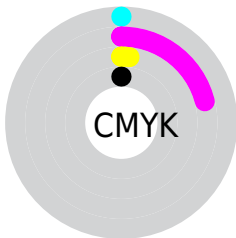
Distribution



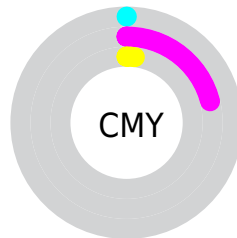
- Red (100%)
- Green (79%)
- Blue (98%)



- Red (100%)
- Yellow (79%)
- Blue (98%)



- Cyan (0%)
- Magenta (21%)
- Yellow (2%)
- Black (0%)




- Cyan (0%)
- Magenta (21%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.4661, 0.3179, 0.2809 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 70.4661, 0.3179, 0.2809 by changing the saturation by 10% instead.


 70.4661, 0.3179,
0.2809

 70.4661, 0.3179,
0.2809


462.1849, 0.3159,
0.3024

 51.9066, 0.3183,
0.2762


119.8732, 0.3173,
0.2882

 36.9306, 0.3187,
0.2704


151.4896, 0.3170,
0.2911

 25.1538, 0.3192,
0.2633


188.2271, 0.3168,
0.2936

 16.1917, 0.3197,
0.2542

230.4701, 0.3166,
0.2958

 9.6599, 0.3203,
0.2423

278.6030, 0.3164,
0.2977

 5.1740, 0.3207,
0.2259

333.0101, 0.3162,

 2.3497, 0.3207,

0.2994

0.2022

394.0760, 0.3160,
0.3010

0.7998, 0.3190,
0.1648

0.0000, 0.2984,
0.0000

70.4661, 0.3179,
0.2809

70.4661, 0.3179,
0.2809

59.3559, 0.3208,
0.2574

83.5597, 0.3153,
0.3044

50.1229, 0.3238,
0.2349

98.7177, 0.3129,
0.3273

42.6650, 0.3270,
0.2142

99.9849, 0.3127,
0.3290

36.8669, 0.3302,
0.1963

■ 32.5995, 0.3333,
0.1821

■ 29.7147, 0.3362,
0.1723

■ 28.0352, 0.3388,
0.1669

■ 27.2956, 0.3410,
0.1652

Harmonies

Analogous

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



70.4661, 0.2806, 0.2679



70.4661, 0.3179, 0.2809



70.4661, 0.3559, 0.3049

Triad

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



70.4661, 0.3179, 0.2809



70.4661, 0.3737, 0.3898



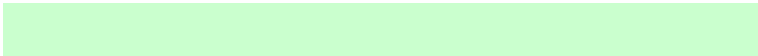
70.4661, 0.2474, 0.3161

Complementary

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



70.4661, 0.3179, 0.2809



88.4873, 0.3078, 0.3823

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.



70.4661, 0.2696, 0.3536



70.4661, 0.3179, 0.2809



70.4661, 0.3422, 0.3981

Square

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



70.4661, 0.3179, 0.2809



70.4661, 0.3890, 0.3661



70.4661, 0.3040, 0.3850



70.4661, 0.2418, 0.2856

Rectangle

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



70.4661, 0.3179, 0.2809



70.4661, 0.3756, 0.3248



70.4661, 0.3040, 0.3850



70.4661, 0.2531, 0.3284

Sweetspot

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



70.4692, 0.3179, 0.2809



90.5504, 0.3141, 0.3154



62.5355, 0.2801, 0.2716



19.1712, 0.3143, 0.3139



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.



70.4692, 0.3179, 0.2809



65.5482, 0.3191, 0.2709



68.9395, 0.3369, 0.3059



18.2756, 0.3150, 0.3073



14.2825, 0.3406, 0.1650



1.3973, 0.3381, 0.1636

Inverse Universe

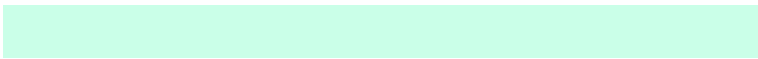
The Inverse Universe completely reimagines the original color for something new.



70.4692, 0.3179, 0.2809



65.5482, 0.3191, 0.2709



89.8583, 0.2936, 0.3534



18.2756, 0.3150, 0.3073



14.2825, 0.3406, 0.1650



1.3973, 0.3381, 0.1636

Previews

White Background



This preview shows how the Yxy color 70.4661, 0.3179, 0.2809 looks on a white background.

Color Contrast Check

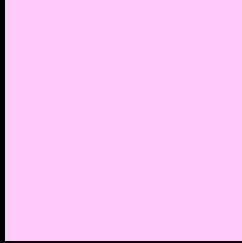
Large Text (above 18pt) WCAG AA × Fail

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 70.4661, 0.3179, 0.2809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

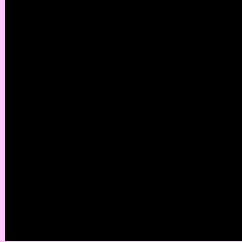
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.4661, 0.3179, 0.2809

Background



This preview shows how black text looks on a background with the Yxy color 70.4661, 0.3179, 0.2809.



This preview shows how white text looks on a background with the Yxy color 70.4661, 0.3179, 0.2809.

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

70.4661, 0.3179, 0.2809

Protanopia

70.6946, 0.2846, 0.2885

Deuteranopia

70.5968, 0.2982, 0.2914



Tritanopia

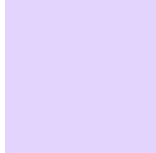
70.4626, 0.3347, 0.3127

Trichromacy



Original Color

70.4661, 0.3179, 0.2809



Protanomaly

70.5736, 0.2957, 0.2855



Deuteranomaly

70.5076, 0.3053, 0.2871



Tritanomaly

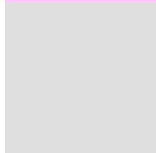
70.2413, 0.3284, 0.3008

Monochromacy



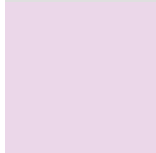
Original Color

70.4661, 0.3179, 0.2809



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

72.1462, 0.3150, 0.3102

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.4661, 0.3179, 0.2809 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, 251)` looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 251)  
}
```

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, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 251) }
```

Border

The CSS property to change the border of an element to Yxy 70.4661, 0.3179, 0.2809 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, 251) }
```

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

```
.border{ border-color:rgb(255, 202, 251) }
```

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, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 251);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 70.4661, 0.3179, 0.2809 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, 251) }
```

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

```
.background{ background-color: rgb(255,  
202, 251) }
```

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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