

Converting Colors

$Y_{xy}(100.0000, 0.4072, 0.2994)$

Have a look what the booklet for
Yxy(100.0000, 0.4072, 0.2994)
contains.

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Color

Yxy(70.5035, 0.3228, 0.2884)

Conversions

Conversions Part 1

Format	Color
Hex	FFCBF4
RGB	255, 203, 244
RGB Percent	100%, 80%, 96%
CMY	0.0002, 0.2038, 0.0431
CMYK	0.00, 0.20, 0.04, 0.00
HSL	313°, 100%, 90%
HSV	313°, 20%, 100%
XYZ	78.9131, 70.5035, 95.0477
YIQ	223.2220, 17.8310, 23.7750

Conversions

Conversions Part 2

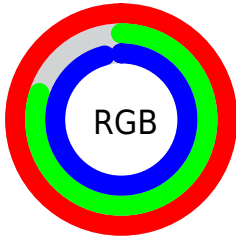
Format	Color
R _Y B	255, 203, 244
Decimal	16763892
CIE Lab	87.24, 24.92, -13.14
CIE LCh	87, 28.174, 332.207
Yxy	70.5035, 0.3228, 0.2884
Android (android.graphics.Color)	4294953972 (0xFFFFCBF4)
YUV	223.2220, 10.2436, 27.8693
Hunter-Lab	83.9664, 20.8163, -8.3383

Details

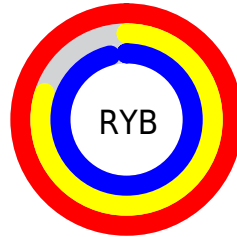
The Yxy color **70.5035, 0.3228, 0.2884** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **89.0422, 0.3040, 0.3733**, and the grayscale version is **73.8742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.1315, 0.3249, 0.2798** is the 20% darker color. If you saturate the color by 10%, you get **59.1155, 0.3289, 0.2679**, and if you desaturate by 10%, it is **83.8873, 0.3175, 0.3087**.

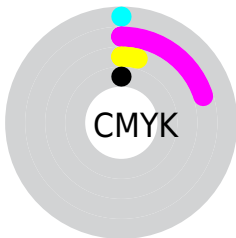
Distribution



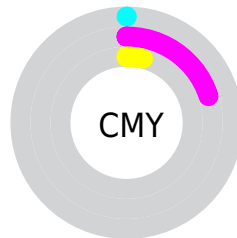
- Red (100%)
- Green (80%)
- Blue (96%)



- Red (100%)
- Yellow (80%)
- Blue (96%)



- Cyan (0%)
- Magenta (20%)
- Yellow (4%)
- Black (0%)





- Cyan (0%)
- Magenta (20%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.5035, 0.3228, 0.2884 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 70.5035, 0.3228, 0.2884 by changing the saturation by 10% instead.

 70.5035, 0.3228,
0.2884

 70.5035, 0.3228,
0.2884

462.3159, 0.3184,
0.3066

 51.9371, 0.3237,
0.2844


119.9265, 0.3213,
0.2946

 36.9550, 0.3249,
0.2794


151.5519, 0.3207,
0.2971

 25.1726, 0.3263,
0.2733

188.2991, 0.3202,
0.2992

 16.2057, 0.3280,
0.2654

230.5525, 0.3198,
0.3011

 9.6698, 0.3302,
0.2550

278.6965, 0.3194,
0.3027

 5.1806, 0.3332,
0.2406

333.1155, 0.3190,

 2.3536, 0.3372,

0.3042

0.2193

394.1938, 0.3187,
0.3055

0.8019, 0.3430,
0.1847

0.0000, 0.3520,
0.0000

70.5035, 0.3228,
0.2884

70.5035, 0.3228,
0.2884

59.1155, 0.3289,
0.2679

83.8873, 0.3175,
0.3087

49.6172, 0.3358,
0.2479

99.3478, 0.3129,
0.3283

41.9068, 0.3433,
0.2293

99.9908, 0.3127,
0.3290

35.8693, 0.3514,
0.2131

■ 31.3760, 0.3598,
0.2004

■ 28.2797, 0.3682,
0.1920

■ 26.4042, 0.3764,
0.1884

■ 25.4798, 0.3840,
0.1889

Harmonies

Analogous

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



70.5035, 0.2887, 0.2749



70.5035, 0.3228, 0.2884



70.5035, 0.3558, 0.3114

Triad

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



70.5035, 0.3228, 0.2884



70.5035, 0.3639, 0.3856



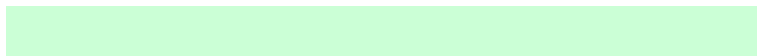
70.5035, 0.2523, 0.3131

Complementary

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



70.5035, 0.3228, 0.2884



89.0422, 0.3040, 0.3733

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.



70.5035, 0.2703, 0.3460



70.5035, 0.3228, 0.2884



70.5035, 0.3343, 0.3899

Square

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



70.5035, 0.3228, 0.2884



70.5035, 0.3800, 0.3663



70.5035, 0.3001, 0.3753



70.5035, 0.2495, 0.2872

Rectangle

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



70.5035, 0.3228, 0.2884



70.5035, 0.3718, 0.3298



70.5035, 0.3001, 0.3753



70.5035, 0.2567, 0.3237

Sweetspot

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



70.5066, 0.3228, 0.2884



90.4179, 0.3154, 0.3174



64.1476, 0.2855, 0.2735



19.1398, 0.3157, 0.3161



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.



70.5066, 0.3228, 0.2884



66.1720, 0.3249, 0.2809



69.0676, 0.3416, 0.3132



18.2310, 0.3170, 0.3104



13.3421, 0.3828, 0.1882



1.3147, 0.3743, 0.1836

Inverse Universe

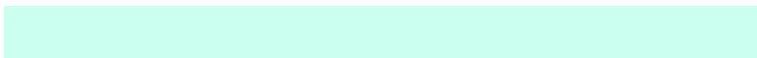
The Inverse Universe completely reimagines the original color for something new.



70.5066, 0.3228, 0.2884



66.1720, 0.3249, 0.2809



90.4432, 0.2903, 0.3454



18.2310, 0.3170, 0.3104



13.3421, 0.3828, 0.1882



1.3147, 0.3743, 0.1836

Previews

White Background



This preview shows how the Yxy color 70.5035, 0.3228, 0.2884 looks on a white background.

Color Contrast Check

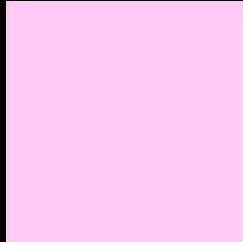
Large Text (above 18pt) WCAG AA × Fail

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 70.5035, 0.3228, 0.2884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

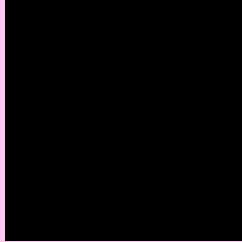
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.5035, 0.3228, 0.2884

Background



This preview shows how black text looks on a background with the Yxy color 70.5035, 0.3228, 0.2884.



This preview shows how white text looks on a background with the Yxy color 70.5035, 0.3228, 0.2884.

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

70.5035, 0.3228, 0.2884

Protanopia

70.7146, 0.2864, 0.2906

Deuteranopia

70.6573, 0.3048, 0.2986



Tritanopia

70.6488, 0.3355, 0.3128

Trichromacy



Original Color

70.5035, 0.3228, 0.2884

Protanomaly

70.4831, 0.2990, 0.2895

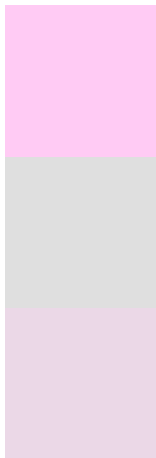
Deuteranomaly

70.2491, 0.3107, 0.2940

Tritanomaly

70.7948, 0.3305, 0.3038

Monochromacy



Original Color

70.5035, 0.3228, 0.2884

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

72.5434, 0.3163, 0.3133

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.5035, 0.3228, 0.2884 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, 203, 244)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 244)  
}
```

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, 203, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 244) }
```

Border

The CSS property to change the border of an element to Yxy 70.5035, 0.3228, 0.2884 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, 203, 244) }
```

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

```
.border{ border-color:rgb(255, 203, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 203, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 244);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 70.5035, 0.3228, 0.2884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 203, 244) }
```

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

```
.background{ background-color: rgb(255,  
203, 244) }
```

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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