

Converting Colors

$Y_{xy}(70.9351, 0.3233, 0.2901)$

Have a look what the booklet for
Yxy(70.9351, 0.3233, 0.2901)
contains.

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Color

Yxy(70.9168, 0.3235, 0.2904)

Conversions

Conversions Part 1

Format	Color
Hex	FFCCF3
RGB	255, 204, 243
RGB Percent	100%, 80%, 95%
CMY	0.0001, 0.1999, 0.0472
CMYK	0.00, 0.20, 0.05, 0.00
HSL	314°, 100%, 90%
HSV	314°, 20%, 100%
XYZ	78.9999, 70.9168, 94.2871
YIQ	223.6950, 17.8770, 22.9410

Conversions

Conversions Part 2

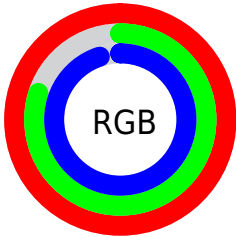
Format	Color
R _Y B	255, 204, 243
Decimal	16764147
CIE Lab	87.44, 24.23, -12.28
CIE LCh	87, 27.162, 333.125
Yxy	70.9168, 0.3235, 0.2904
Android (android.graphics.Color)	4294954227 (0xFFFFCCF3)
YUV	223.6950, 9.5174, 27.4545
Hunter-Lab	84.2121, 20.0808, -7.4349

Details

The Yxy color $70.9168, 0.3235, 0.2904$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $89.3073, 0.3035, 0.3710$, and the grayscale version is $74.2336, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $37.4063, 0.3257, 0.2822$ is the 20% darker color. If you saturate the color by 10%, you get $59.4163, 0.3302, 0.2705$, and if you desaturate by 10%, it is $84.4196, 0.3177, 0.3101$.

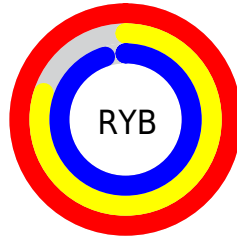
Distribution



Red (100%)

Green (80%)

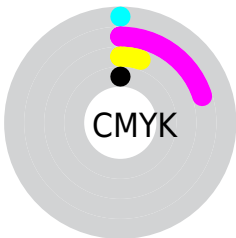
Blue (95%)



Red (100%)

Yellow (80%)

Blue (95%)

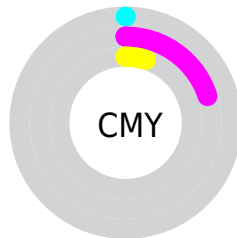


Cyan (0%)

Magenta (20%)

Yellow (5%)

Black (0%)



Cyan (0%)


Magenta (20%)


Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.9168, 0.3235, 0.2904 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 70.9168, 0.3235, 0.2904 by changing the saturation by 10% instead.

 70.9168, 0.3235,
0.2904

 70.9168, 0.3235,
0.2904

463.7625, 0.3188,
0.3078

 52.2743, 0.3245,
0.2866


120.5153, 0.3219,
0.2963

 37.2238, 0.3258,
0.2819


152.2400, 0.3213,
0.2987

 25.3808, 0.3273,
0.2760


189.0943, 0.3207,
0.3007

 16.3610, 0.3292,
0.2685

231.4625, 0.3202,
0.3024

 9.7800, 0.3317,
0.2586

279.7290, 0.3198,
0.3040

 5.2533, 0.3351,
0.2447


334.2783, 0.3194,


 2.3966, 0.3398,


0.3054

0.2243

395.4947, 0.3191,
0.3066

 0.8242, 0.3468,
0.1912

 0.0000, 0.3695,
0.0000

 70.9168, 0.3235,
0.2904


 70.9168, 0.3235,
0.2904

 59.4163, 0.3302,
0.2705


 84.4196, 0.3177,
0.3101

 49.8122, 0.3378,
0.2510

99.9955, 0.3127,
0.3290

 42.0030, 0.3462,
0.2327

99.9963, 0.3127,
0.3290

 35.8740, 0.3552,
0.2169

■ 31.2971, 0.3647,
0.2044

■ 28.1258, 0.3744,
0.1962

■ 26.1853, 0.3838,
0.1928

■ 25.1905, 0.3929,
0.1938

■ 25.1894, 0.3929,
0.1938

Harmonies

Analogous

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



70.9168, 0.2905, 0.2771



70.9168, 0.3235, 0.2904



70.9168, 0.3550, 0.3128

Triad

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



70.9168, 0.3235, 0.2904



70.9168, 0.3613, 0.3839



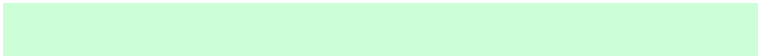
70.9168, 0.2541, 0.3129

Complementary

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



70.9168, 0.3235, 0.2904



89.3073, 0.3035, 0.3710

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.



70.9168, 0.2712, 0.3444



70.9168, 0.3235, 0.2904



70.9168, 0.3326, 0.3873

Square

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



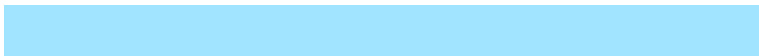
70.9168, 0.3235, 0.2904



70.9168, 0.3772, 0.3658



70.9168, 0.2996, 0.3727



70.9168, 0.2519, 0.2882

Rectangle

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



70.9168, 0.3235, 0.2904



70.9168, 0.3701, 0.3307



70.9168, 0.2996, 0.3727



70.9168, 0.2583, 0.3230

Sweetspot

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



70.9199, 0.3235, 0.2904



90.3934, 0.3156, 0.3177



64.9989, 0.2873, 0.2748



19.1340, 0.3159, 0.3165



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.



70.9199, 0.3235, 0.2904



66.0796, 0.3261, 0.2824



69.4927, 0.3422, 0.3153



18.2228, 0.3174, 0.3110



13.1887, 0.3915, 0.1930



1.3010, 0.3817, 0.1876

Inverse Universe

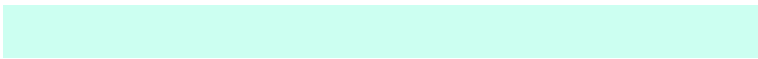
The Inverse Universe completely reimagines the original color for something new.



70.9199, 0.3235, 0.2904



66.0796, 0.3261, 0.2824



90.7217, 0.2898, 0.3432



18.2228, 0.3174, 0.3110



13.1887, 0.3915, 0.1930



1.3010, 0.3817, 0.1876

Previews

White Background



This preview shows how the Yxy color 70.9168, 0.3235, 0.2904 looks on a white background.

Color Contrast Check

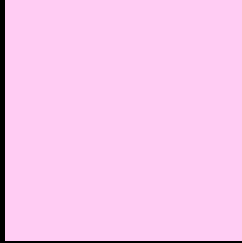
Large Text (above 18pt) WCAG AA × Fail

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 70.9168, 0.3235, 0.2904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

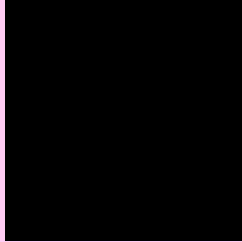
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.9168, 0.3235, 0.2904

Background



This preview shows how black text looks on a background with the Yxy color 70.9168, 0.3235, 0.2904.

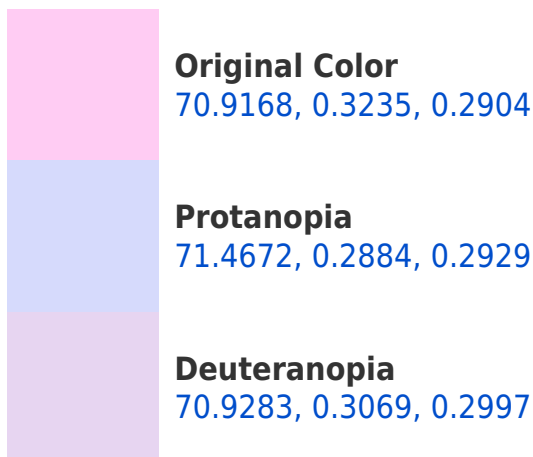


This preview shows how white text looks on a background with the Yxy color 70.9168, 0.3235, 0.2904.

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





Tritanopia

70.7029, 0.3347, 0.3118

Trichromacy



Original Color

70.9168, 0.3235, 0.2904

Protanomaly

71.0861, 0.3003, 0.2916

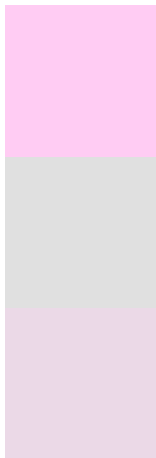
Deuteranomaly

71.0293, 0.3128, 0.2962

Tritanomaly

70.7948, 0.3305, 0.3038

Monochromacy



Original Color

70.9168, 0.3235, 0.2904

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

73.0574, 0.3163, 0.3144

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.9168, 0.3235, 0.2904 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, 243)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 243)  
}
```

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, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 243) }
```

Border

The CSS property to change the border of an element to Yxy 70.9168, 0.3235, 0.2904 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, 243) }
```

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

```
.border{ border-color:rgb(255, 204, 243) }
```

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, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 243);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 70.9168, 0.3235, 0.2904 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, 243) }
```

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

```
.background{ background-color: rgb(255,  
204, 243) }
```

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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