

Converting Colors

$Y_{xy}(70.0079, 0.3158, 0.2765)$

Have a look what the booklet for
Yxy(70.0079, 0.3158, 0.2765)
contains.

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Color

Yxy(70.1890, 0.3159, 0.2771)

Conversions

Conversions Part 1

Format	Color
Hex	FFC9FE
RGB	255, 201, 254
RGB Percent	100%, 79%, 100%
CMY	0.0000, 0.2117, 0.0039
CMYK	0.00, 0.21, 0.00, 0.00
HSL	301°, 100%, 89%
HSV	301°, 21%, 100%
XYZ	80.0170, 70.1890, 103.0925
YIQ	223.1880, 15.1710, 27.9310

Conversions

Conversions Part 2

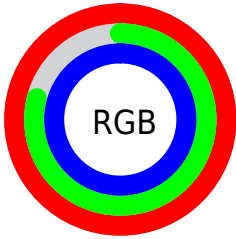
Format	Color
R _Y B	255, 201, 254
Decimal	16763390
CIE Lab	87.09, 27.77, -18.65
CIE LCh	87, 33.449, 326.114
Yxy	70.1890, 0.3159, 0.2771
Android (android.graphics.Color)	4294953470 (0xFFFFC9FE)
YUV	223.1880, 15.1903, 27.8991
Hunter-Lab	83.7789, 23.8718, -14.3129

Details

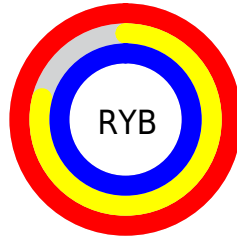
The Yxy color $70.1890, 0.3159, 0.2771$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $88.2027, 0.3094, 0.3870$, and the grayscale version is $73.8149, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $36.9044, 0.3166, 0.2668$ is the 20% darker color. If you saturate the color by 10%, you get $59.2417, 0.3175, 0.2525$, and if you desaturate by 10%, it is $83.1131, 0.3143, 0.3019$.

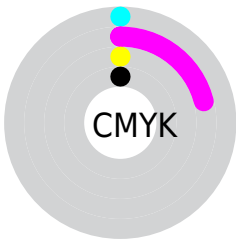
Distribution



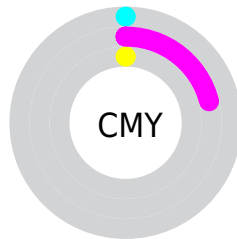
- Red (100%)
- Green (79%)
- Blue (100%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.1890, 0.3159, 0.2771 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 70.1890, 0.3159, 0.2771 by changing the saturation by 10% instead.

 70.1890, 0.3159,
0.2771

 70.1890, 0.3159,
0.2771


461.2133, 0.3149,
0.3002

 51.6806, 0.3160,
0.2720


119.4782, 0.3156,
0.2849

 36.7506, 0.3162,
0.2659

151.0279, 0.3155,
0.2880

 25.0144, 0.3163,
0.2583


187.6935, 0.3154,
0.2907

 16.0878, 0.3163,
0.2486

229.8593, 0.3152,
0.2931

 9.5863, 0.3161,
0.2359

277.9098, 0.3151,
0.2952

 5.1255, 0.3155,
0.2186


332.2294, 0.3150,


 2.3211, 0.3138,


0.2970


0.1936

393.2024, 0.3149,
0.2987


 0.7848, 0.3092,
0.1547


 0.0000, 0.2805,
0.0000

 70.1890, 0.3159,
0.2771

 70.1890, 0.3159,
0.2771

 59.2417, 0.3175,
0.2525


 83.1131, 0.3143,
0.3019

 50.1689, 0.3191,
0.2291

 98.0997, 0.3129,
0.3262

 42.8667, 0.3206,
0.2077

100.0000, 0.3127,
0.3290

 37.2191, 0.3220,
0.1894

■ 33.0962, 0.3233,
0.1749

■ 30.3489, 0.3243,
0.1648

■ 28.7981, 0.3251,
0.1590

■ 28.1785, 0.3257,
0.1568

Harmonies

Analogous

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



70.1890, 0.2767, 0.2640



70.1890, 0.3159, 0.2771



70.1890, 0.3566, 0.3019

Triad

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



70.1890, 0.3159, 0.2771



70.1890, 0.3787, 0.3924



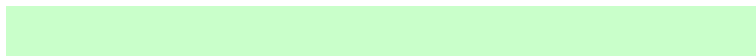
70.1890, 0.2444, 0.3172

Complementary

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



70.1890, 0.3159, 0.2771



88.2027, 0.3094, 0.3870

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.



70.1890, 0.2686, 0.3572



70.1890, 0.3159, 0.2771



70.1890, 0.3459, 0.4026

Square

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



70.1890, 0.3159, 0.2771



70.1890, 0.3940, 0.3664



70.1890, 0.3055, 0.3900



70.1890, 0.2375, 0.2842

Rectangle

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



70.1890, 0.3159, 0.2771



70.1890, 0.3782, 0.3227



70.1890, 0.3055, 0.3900



70.1890, 0.2507, 0.3303

Sweetspot

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



70.1907, 0.3159, 0.2771



90.6054, 0.3136, 0.3146



61.5383, 0.2775, 0.2700



19.1843, 0.3137, 0.3130



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.



70.1907, 0.3159, 0.2771



65.7747, 0.3165, 0.2676



68.5868, 0.3355, 0.3027



18.2942, 0.3141, 0.3060



14.7265, 0.3256, 0.1567



1.4357, 0.3250, 0.1564

Inverse Universe

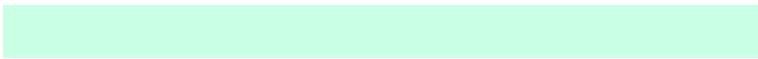
The Inverse Universe completely reimagines the original color for something new.



70.1907, 0.3159, 0.2771



65.7747, 0.3165, 0.2676



89.5897, 0.2947, 0.3569



18.2942, 0.3141, 0.3060



14.7265, 0.3256, 0.1567



1.4357, 0.3250, 0.1564

Previews

White Background



This preview shows how the Yxy color 70.1890, 0.3159, 0.2771 looks on a white background.

Color Contrast Check

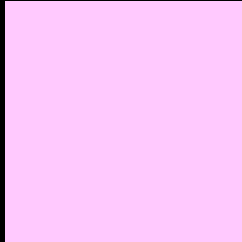
Large Text (above 18pt) WCAG AA × Fail

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 70.1890, 0.3159, 0.2771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

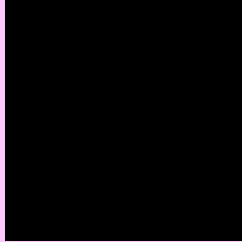
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.1890, 0.3159, 0.2771

Background



This preview shows how black text looks on a background with the Yxy color 70.1890, 0.3159, 0.2771.



This preview shows how white text looks on a background with the Yxy color 70.1890, 0.3159, 0.2771.

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

70.1890, 0.3159, 0.2771

Protanopia

70.5473, 0.2840, 0.2885

Deuteranopia

70.4641, 0.2950, 0.2882



Tritanopia

70.4626, 0.3347, 0.3127

Trichromacy



Original Color

70.1890, 0.3159, 0.2771



Protanomaly

69.9773, 0.2944, 0.2833



Deuteranomaly

70.3549, 0.3019, 0.2840



Tritanomaly

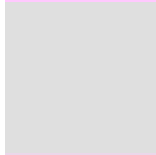
70.2986, 0.3276, 0.2998

Monochromacy



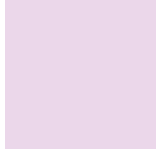
Original Color

70.1890, 0.3159, 0.2771



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

72.2036, 0.3144, 0.3092

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.1890, 0.3159, 0.2771 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, 254)` looks like.

```
.text, #text, p{  
    color:rgb(255, 201, 254)  
}
```

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, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 201, 254) }
```

Border

The CSS property to change the border of an element to Yxy 70.1890, 0.3159, 0.2771 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, 254) }
```

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

```
.border{ border-color:rgb(255, 201, 254) }
```

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, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 201, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 201, 254);  
box-shadow:4px 4px 4px 4px rgb(255, 201,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 70.1890, 0.3159, 0.2771 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, 254) }
```

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

```
.background{ background-color: rgb(255,  
201, 254) }
```

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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