

# Converting Colors

$Y_{xy}(71.9518, 0.3156, 0.2814)$

Have a look what the booklet for  
Yxy(71.9518, 0.3156, 0.2814)  
contains.

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# Color

**Yxy(71.8892, 0.3150, 0.2810)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FECDFE
RGB	254, 205, 254
RGB Percent	100%, 80%, 100%
CMY	0.0039, 0.1960, 0.0041
CMYK	0.00, 0.19, 0.00, 0.00
HSL	300°, 96%, 90%
HSV	300°, 19%, 100%
XYZ	80.5875, 71.8892, 103.3567
YIQ	225.2370, 13.4750, 25.6270

# Conversions

## Conversions Part 2

Format	Color
<a href="#">RYB</a>	<a href="#">254, 205, 254</a>
Decimal	<a href="#">16698878</a>
CIELab	<a href="#">87.92, 25.33, -17.39</a>
CIElCh	<a href="#">88, 30.725, 325.522</a>
Yxy	<a href="#">71.8892, 0.3150, 0.2810</a>
Android (android.graphics.Color)	<a href="#">4294888958</a> ( <a href="#">0xFFFECDFE</a> )
YUV	<a href="#">225.2370, 14.1802, 25.2252</a>
Hunter-Lab	<a href="#">84.7875, 21.2799, -12.9238</a>

# Details

The Yxy color **71.8892, 0.3150, 0.2810** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **88.2750, 0.3102, 0.3822**, and the grayscale version is **75.3641, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.7142, 0.3155, 0.2703** is the 20% darker color. If you saturate the color by 10%, you get **60.7085, 0.3162, 0.2560**, and if you desaturate by 10%, it is **85.0486, 0.3138, 0.3062**.

# Distribution



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



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



- Cyan (0%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.8892, 0.3150, 0.2810 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 71.8892, 0.3150, 0.2810 by changing the saturation by 10% instead.



 71.8892, 0.3150,  
0.2810

 71.8892, 0.3150,  
0.2810


467.1559, 0.3143,  
0.3024

 53.0682, 0.3151,  
0.2763

121.8990, 0.3148,  
0.2883

 37.8572, 0.3151,  
0.2706


153.8565, 0.3147,  
0.2911

 25.8719, 0.3151,  
0.2636

190.9617, 0.3147,  
0.2936

 16.7278, 0.3151,  
0.2546

233.5989, 0.3146,  
0.2958

 10.0406, 0.3148,  
0.2428

282.1525, 0.3145,  
0.2977

 5.4259, 0.3141,  
0.2268


337.0070, 0.3144,


 2.4993, 0.3124,

0.2994


0.2035


398.5466, 0.3144,  
0.3010


 0.8763, 0.3079,  
0.1676


 0.0000, 0.2925,  
0.0000

 71.8892, 0.3150,  
0.2810


 71.8892, 0.3150,  
0.2810

 60.7085, 0.3162,  
0.2560


 85.0486, 0.3138,  
0.3062

 51.4022, 0.3173,  
0.2319

99.7467, 0.3127,  
0.3300

 43.8705, 0.3184,  
0.2098

99.7482, 0.3127,  
0.3299

 38.0007, 0.3193,  
0.1907

99.7496, 0.3126,  
0.3299

■ 33.6670, 0.3201,  
0.1753

99.7511, 0.3126,  
0.3299

■ 30.7261, 0.3206,  
0.1642

99.7525, 0.3126,  
0.3299

■ 29.0072, 0.3210,  
0.1575

99.7540, 0.3126,  
0.3298

■ 28.2515, 0.3211,  
0.1544

99.7554, 0.3126,  
0.3298

■ 28.2121, 0.3211,  
0.1543

99.7569, 0.3126,  
0.3298

# Harmonies

## Analogous

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



71.8892, 0.2793, 0.2693



71.8892, 0.3150, 0.2810



71.8892, 0.3521, 0.3037

# Triad

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



71.8892, 0.3150, 0.2810



71.8892, 0.3734, 0.3867



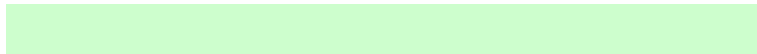
71.8892, 0.2504, 0.3192

# Complementary

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



71.8892, 0.3150, 0.2810



88.2750, 0.3102, 0.3822

# 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.



71.8892, 0.2731, 0.3553



71.8892, 0.3150, 0.2810



71.8892, 0.3439, 0.3959

# Square

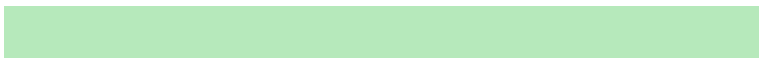
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



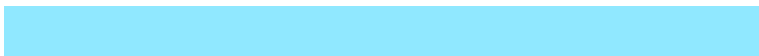
71.8892, 0.3150, 0.2810



71.8892, 0.3868, 0.3630



71.8892, 0.3070, 0.3847



71.8892, 0.2437, 0.2888



# Rectangle

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



71.8892, 0.3150, 0.2810



71.8892, 0.3718, 0.3229



71.8892, 0.3070, 0.3847



71.8892, 0.2564, 0.3311

# Sweetspot

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



71.8923, 0.3150, 0.2810



90.6228, 0.3134, 0.3143



63.8052, 0.2805, 0.2758



19.1884, 0.3135, 0.3127



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.



71.8923, 0.3150, 0.2810



68.1146, 0.3154, 0.2716



70.4248, 0.3324, 0.3044



18.3001, 0.3138, 0.3056



14.8739, 0.3211, 0.1543



1.4483, 0.3211, 0.1543



# Inverse Universe

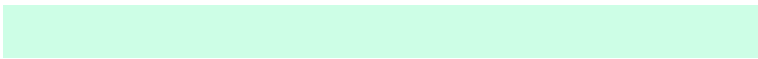
The Inverse Universe completely reimagines the original color for something new.



71.8923, 0.3150, 0.2810



68.1146, 0.3154, 0.2716



89.5500, 0.2967, 0.3550



18.3001, 0.3138, 0.3056



14.8739, 0.3211, 0.1543



1.4483, 0.3211, 0.1543



# Previews

## White Background



This preview shows how the Yxy color 71.8892, 0.3150, 0.2810 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

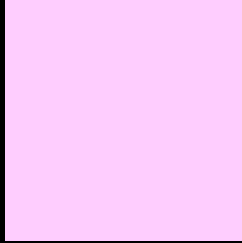
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.8892, 0.3150, 0.2810 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

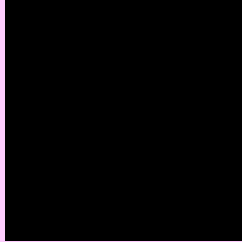
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.8892, 0.3150, 0.2810**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.8892, 0.3150, 0.2810.



This preview shows how white text looks on a background with the Yxy color 71.8892, 0.3150, 0.2810.

# 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

71.8892, 0.3150, 0.2810

### Protanopia

72.0292, 0.2860, 0.2909

### Deuteranopia

71.9600, 0.2970, 0.2906



## Tritanopia

71.9082, 0.3314, 0.3128

# Trichromacy



## Original Color

71.8892, 0.3150, 0.2810



## Protanomaly

71.8071, 0.2958, 0.2867



## Deuteranomaly

71.6849, 0.3033, 0.2863



## Tritanomaly

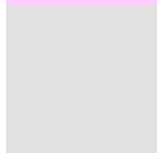
71.6771, 0.3252, 0.3008

# Monochromacy



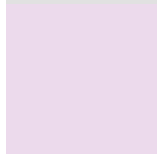
## Original Color

71.8892, 0.3150, 0.2810



## Achromatopsia

75.2942, 0.3127, 0.3290



## Achromatomaly

74.0318, 0.3136, 0.3104

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.8892, 0.3150, 0.2810 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(254, 205, 254)` looks like.

```
.text, #text, p{  
    color:rgb(254, 205, 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(254, 205, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 205, 254) }
```

## Border

The CSS property to change the border of an element to Yxy 71.8892, 0.3150, 0.2810 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(254, 205, 254) }
```

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

```
.border{ border-color:rgb(254, 205, 254) }
```

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

Here you see how a box with a 4 pixel rgb(254, 205, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 205, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 205, 254);  
box-shadow:4px 4px 4px 4px rgb(254, 205,  
254) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.8892, 0.3150, 0.2810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 205, 254) }
```

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

```
.background{ background-color: rgb(254,  
205, 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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