

Converting Colors

$Y_{xy}(106.5910, 0.4120, 0.2960)$

Have a look what the booklet for
Yxy(106.5910, 0.4120, 0.2960)
contains.

Yxy(71.4740, 0.3171, 0.2819)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(71.4740, 0.3171, 0.2819)

Conversions

Conversions Part 1

Format	Color
Hex	FFCCFC
RGB	255, 204, 252
RGB Percent	100%, 80%, 99%
CMY	0.0001, 0.1999, 0.0117
CMYK	0.00, 0.20, 0.01, 0.00
HSL	303°, 100%, 90%
HSV	303°, 20%, 100%
XYZ	80.3987, 71.4740, 101.6711
YIQ	224.7210, 14.9880, 25.7400

Conversions

Conversions Part 2

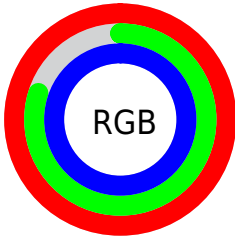
Format	Color
R _Y B	255, 204, 252
Decimal	16764156
CIE Lab	87.71, 25.82, -16.66
CIE LCh	88, 30.732, 327.163
Yxy	71.4740, 0.3171, 0.2819
Android (android.graphics.Color)	4294954236 (0xFFFFCCFC)
YUV	224.7210, 13.4485, 26.5547
Hunter-Lab	84.5423, 21.8024, -12.1229

Details

The Yxy color **71.4740, 0.3171, 0.2819** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **88.8463, 0.3085, 0.3811**, and the grayscale version is **74.9793, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.4408, 0.3183, 0.2716** is the 20% darker color. If you saturate the color by 10%, you get **60.2382, 0.3196, 0.2581**, and if you desaturate by 10%, it is **84.7008, 0.3148, 0.3058**.

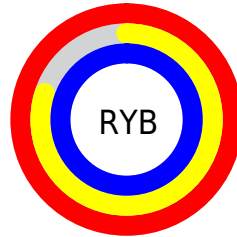
Distribution



Red (100%)

Green (80%)

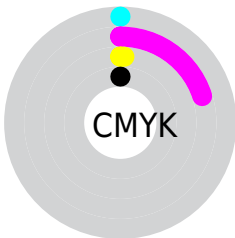
Blue (99%)



Red (100%)

Yellow (80%)

Blue (99%)

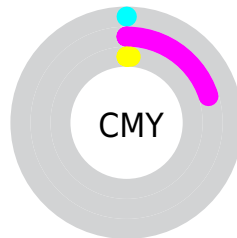


Cyan (0%)

Magenta (20%)

Yellow (1%)

Black (0%)



Cyan (0%)


Magenta (20%)

Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.4740, 0.3171, 0.2819 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 71.4740, 0.3171, 0.2819 by changing the saturation by 10% instead.

 71.4740, 0.3171,
0.2819

 71.4740, 0.3171,
0.2819

465.7087, 0.3154,
0.3029

 52.7291, 0.3174,
0.2773

121.3084, 0.3166,
0.2890

 37.5866, 0.3177,
0.2717


153.1667, 0.3164,
0.2918

 25.6620, 0.3181,
0.2647


190.1649, 0.3162,
0.2943

 16.5709, 0.3185,
0.2559

232.6875, 0.3160,
0.2964

 9.9290, 0.3188,
0.2443

281.1187, 0.3158,
0.2983

 5.3519, 0.3190,
0.2283


335.8431, 0.3157,


 2.4552, 0.3187,


0.3000


0.2053


397.2449, 0.3156,
0.3015


 0.8541, 0.3164,
0.1693

 0.0000, 0.3047,
0.0000

 71.4740, 0.3171,
0.2819


 71.4740, 0.3171,
0.2819

 60.2382, 0.3196,
0.2581


 84.7008, 0.3148,
0.3058

 50.8876, 0.3222,
0.2351

99.9936, 0.3127,
0.3290

 43.3209, 0.3248,
0.2140

99.9951, 0.3127,
0.3290

 37.4234, 0.3275,
0.1957

■ 33.0673, 0.3300,
0.1810

■ 30.1060, 0.3324,
0.1707

■ 28.3650, 0.3345,
0.1648

■ 27.5593, 0.3363,
0.1626

■ 27.5585, 0.3363,
0.1626

Harmonies

Analogous

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



71.4740, 0.2810, 0.2694



71.4740, 0.3171, 0.2819



71.4740, 0.3540, 0.3052

Triad

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



71.4740, 0.3171, 0.2819



71.4740, 0.3723, 0.3877



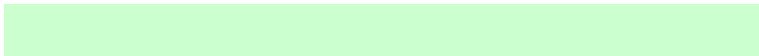
71.4740, 0.2495, 0.3172

Complementary

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



71.4740, 0.3171, 0.2819



88.8463, 0.3085, 0.3811

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.



71.4740, 0.2714, 0.3535



71.4740, 0.3171, 0.2819



71.4740, 0.3420, 0.3959

Square

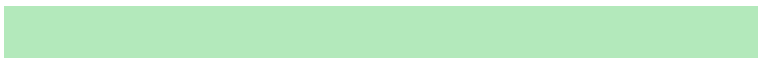
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.4740, 0.3171, 0.2819



71.4740, 0.3868, 0.3646



71.4740, 0.3050, 0.3836



71.4740, 0.2437, 0.2874

Rectangle

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



71.4740, 0.3171, 0.2819



71.4740, 0.3733, 0.3245



71.4740, 0.3050, 0.3836



71.4740, 0.2552, 0.3291

Sweetspot

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



71.4771, 0.3171, 0.2819



90.5667, 0.3139, 0.3152



63.6130, 0.2809, 0.2739



19.1751, 0.3141, 0.3136



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.



71.4771, 0.3171, 0.2819



66.7483, 0.3181, 0.2723



69.9905, 0.3352, 0.3059



18.2811, 0.3147, 0.3069



14.4110, 0.3360, 0.1625



1.4085, 0.3341, 0.1614

Inverse Universe

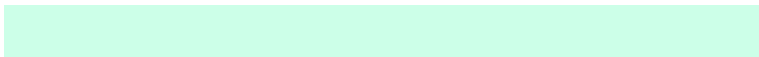
The Inverse Universe completely reimagines the original color for something new.



71.4771, 0.3171, 0.2819



66.7483, 0.3181, 0.2723



90.1716, 0.2948, 0.3533



18.2811, 0.3147, 0.3069



14.4110, 0.3360, 0.1625



1.4085, 0.3341, 0.1614

Previews

White Background



This preview shows how the Yxy color 71.4740, 0.3171, 0.2819 looks on a white background.

Color Contrast Check

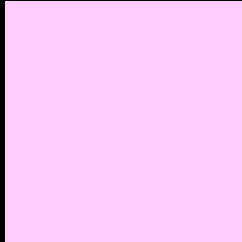
Large Text (above 18pt) WCAG AA × Fail

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 71.4740, 0.3171, 0.2819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

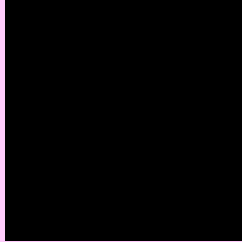
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.4740, 0.3171, 0.2819

Background



This preview shows how black text looks on a background with the Yxy color 71.4740, 0.3171, 0.2819.



This preview shows how white text looks on a background with the Yxy color 71.4740, 0.3171, 0.2819.

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

71.4740, 0.3171, 0.2819

Protanopia

72.0292, 0.2860, 0.2909

Deuteranopia

71.8339, 0.2983, 0.2926



Tritanopia

71.5464, 0.3330, 0.3128

Trichromacy



Original Color

71.4740, 0.3171, 0.2819



Protanomaly

71.7429, 0.2964, 0.2877



Deuteranomaly

71.5581, 0.3046, 0.2882



Tritanomaly

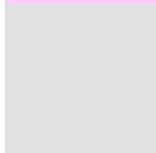
71.3193, 0.3267, 0.3009

Monochromacy



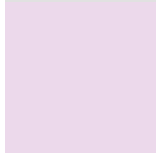
Original Color

71.4740, 0.3171, 0.2819



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

73.4567, 0.3143, 0.3103

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.4740, 0.3171, 0.2819 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, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 252)  
}
```

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, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 252) }
```

Border

The CSS property to change the border of an element to Yxy 71.4740, 0.3171, 0.2819 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, 252) }
```

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

```
.border{ border-color:rgb(255, 204, 252) }
```

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, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 71.4740, 0.3171, 0.2819 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, 252) }
```

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

```
.background{ background-color: rgb(255,  
204, 252) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor