

Converting Colors

$Y_{xy}(71.3031, 0.3290, 0.2997)$

Have a look what the booklet for
Yxy(71.3031, 0.3290, 0.2997)
contains.

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Color

Yxy(71.4008, 0.3291, 0.3001)

Conversions

Conversions Part 1

Format	Color
Hex	FFCEEB
RGB	255, 206, 235
RGB Percent	100%, 81%, 92%
CMY	0.0000, 0.1921, 0.0786
CMYK	0.00, 0.19, 0.08, 0.00
HSL	325°, 100%, 90%
HSV	325°, 19%, 100%
XYZ	78.3006, 71.4008, 88.2220
YIQ	223.9570, 19.8950, 19.4070

Conversions

Conversions Part 2

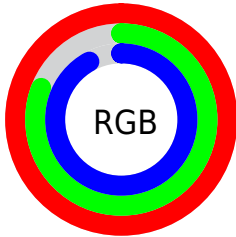
Format	Color
R _Y B	255, 206, 235
Decimal	16764651
CIE Lab	87.68, 21.82, -7.70
CIE LCh	88, 23.142, 340.578
Yxy	71.4008, 0.3291, 0.3001
Android (android.graphics.Color)	4294954731 (0xFFFFCEE8)
YUV	223.9570, 5.4442, 27.2247
Hunter-Lab	84.4990, 17.5329, -2.7530

Details

The Yxy color **71.4008, 0.3291, 0.3001** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **90.1344, 0.2992, 0.3598**, and the grayscale version is **74.4594, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.3937, 0.3332, 0.2933** is the 20% darker color. If you saturate the color by 10%, you get **59.5201, 0.3401, 0.2843**, and if you desaturate by 10%, it is **85.3148, 0.3199, 0.3155**.

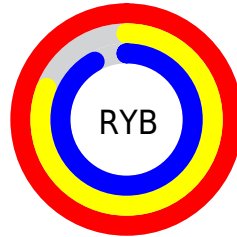
Distribution



Red (100%)

Green (81%)

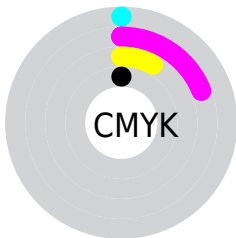
Blue (92%)



Red (100%)

Yellow (81%)

Blue (92%)

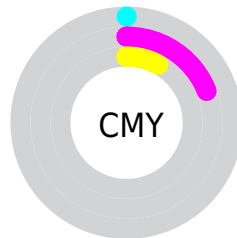


Cyan (0%)

Magenta (19%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (19%)

Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.4008, 0.3291, 0.3001 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 71.4008, 0.3291, 0.3001 by changing the saturation by 10% instead.


 71.4008, 0.3291,
0.3001

 71.4008, 0.3291,
0.3001

465.4533, 0.3217,
0.3132

 52.6693, 0.3308,
0.2972


121.2042, 0.3265,
0.3046

 37.5389, 0.3328,
0.2936


153.0450, 0.3255,
0.3064

 25.6250, 0.3354,
0.2891


190.0244, 0.3247,
0.3079

 16.5433, 0.3387,
0.2833

232.5267, 0.3239,
0.3092

 9.9094, 0.3432,
0.2755

280.9363, 0.3232,
0.3104

 5.3389, 0.3495,
0.2646

335.6377, 0.3227,

 2.4475, 0.3592,

0.3114

0.2482

397.0152, 0.3221,
0.3124

0.8502, 0.3755,
0.2208

0.0000, 0.5277,
0.0000

71.4008, 0.3291,
0.3001

71.4008, 0.3291,
0.3001

59.5201, 0.3401,
0.2843

85.3148, 0.3199,
0.3155

49.5668, 0.3529,
0.2687

99.9992, 0.3127,
0.3290

41.4395, 0.3677,
0.2539

35.0239, 0.3844,
0.2411

■ 30.1926, 0.4026,
0.2314

■ 26.8002, 0.4217,
0.2261

■ 24.6740, 0.4409,
0.2259

■ 23.5544, 0.4596,
0.2309

■ 23.4838, 0.4611,
0.2314

Harmonies

Analogous

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



71.4008, 0.3006, 0.2863



71.4008, 0.3291, 0.3001



71.4008, 0.3540, 0.3209

Triad

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



71.4008, 0.3291, 0.3001



71.4008, 0.3489, 0.3777



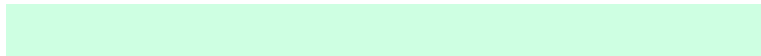
71.4008, 0.2609, 0.3096

Complementary

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



71.4008, 0.3291, 0.3001



90.1344, 0.2992, 0.3598

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.



71.4008, 0.2726, 0.3355



71.4008, 0.3291, 0.3001



71.4008, 0.3229, 0.3765

Square

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



71.4008, 0.3291, 0.3001



71.4008, 0.3655, 0.3653



71.4008, 0.2951, 0.3607



71.4008, 0.2622, 0.2907

Rectangle

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



71.4008, 0.3291, 0.3001



71.4008, 0.3647, 0.3366



71.4008, 0.2951, 0.3607



71.4008, 0.2634, 0.3177

Sweetspot

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



71.4040, 0.3291, 0.3001



90.2272, 0.3172, 0.3203



67.4737, 0.2940, 0.2780



19.0947, 0.3178, 0.3193



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.



71.4040, 0.3291, 0.3001



66.6681, 0.3330, 0.2941



70.1067, 0.3470, 0.3241



18.1673, 0.3201, 0.3150



12.3017, 0.4581, 0.2297



1.2195, 0.4381, 0.2187

Inverse Universe

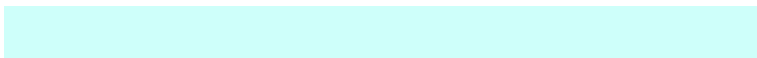
The Inverse Universe completely reimagines the original color for something new.



71.4040, 0.3291, 0.3001



66.6681, 0.3330, 0.2941



91.5491, 0.2864, 0.3340



18.1673, 0.3201, 0.3150



12.3017, 0.4581, 0.2297



1.2195, 0.4381, 0.2187

Previews

White Background



This preview shows how the Yxy color 71.4008, 0.3291, 0.3001 looks on a white background.

Color Contrast Check

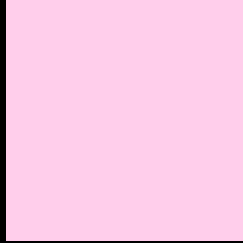
Large Text (above 18pt) WCAG AA × Fail

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 71.4008, 0.3291, 0.3001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

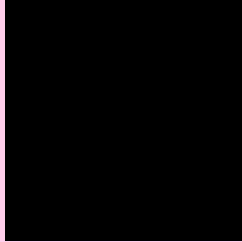
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.4008, 0.3291, 0.3001

Background



This preview shows how black text looks on a background with the Yxy color 71.4008, 0.3291, 0.3001.

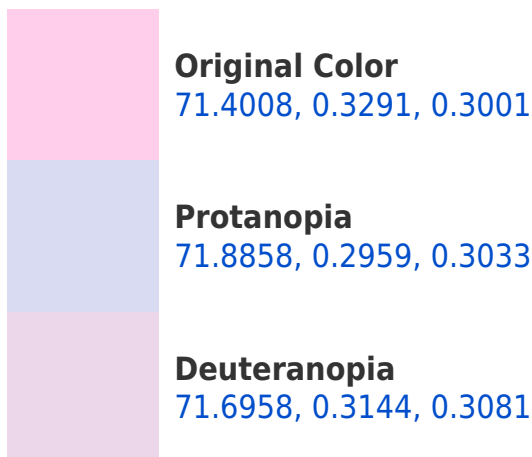


This preview shows how white text looks on a background with the Yxy color 71.4008, 0.3291, 0.3001.

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

71.5644, 0.3361, 0.3129

Trichromacy



Original Color

71.4008, 0.3291, 0.3001

Protanomaly

71.3733, 0.3075, 0.3018

Deuteranomaly

71.4063, 0.3197, 0.3053

Tritanomaly

71.2979, 0.3333, 0.3079

Monochromacy



Original Color

71.4008, 0.3291, 0.3001

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

72.8893, 0.3183, 0.3175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.4008, 0.3291, 0.3001 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, 206, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 235)  
}
```

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, 206, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 235) }
```

Border

The CSS property to change the border of an element to Yxy 71.4008, 0.3291, 0.3001 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, 206, 235) }
```

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

```
.border{ border-color:rgb(255, 206, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 206, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 206, 235); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 206, 235); box-shadow:4px 4px 4px 4px rgb(255, 206, 235) }
```


Background

The CSS property to change the background color of an element to Yxy 71.4008, 0.3291, 0.3001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 206, 235) }
```

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

```
.background{ background-color: rgb(255,  
206, 235) }
```

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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