

Converting Colors

$Y_{xy}(71.0472, 0.3244, 0.2924)$

Have a look what the booklet for
Yxy(71.0472, 0.3244, 0.2924)
contains.

Yxy(71.2735, 0.3248, 0.2933)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(71.2735, 0.3248, 0.2933)

Conversions

Conversions Part 1

Format	Color
Hex	FFCDF1
RGB	255, 205, 241
RGB Percent	100%, 80%, 95%
CMY	0.0003, 0.1959, 0.0550
CMYK	0.00, 0.20, 0.05, 0.00
HSL	317°, 100%, 90%
HSV	317°, 20%, 100%
XYZ	78.9282, 71.2735, 92.8038
YIQ	224.0540, 18.2440, 21.7960

Conversions

Conversions Part 2

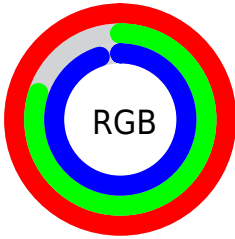
Format	Color
R_{YB}	255, 205, 241
Decimal	16764401
CIE _{Lab}	87.62, 23.34, -10.98
CIE _{LCh}	88, 25.791, 334.815
Yxy	71.2735, 0.3248, 0.2933
Android (android.graphics.Color)	4294954481 (0xFFFFCDF1)
YUV	224.0540, 8.3544, 27.1396
Hunter-Lab	84.4236, 19.1394, -6.0788

Details

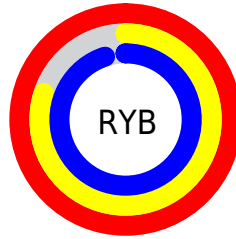
The Yxy color $71.2735, 0.3248, 0.2933$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $89.5755, 0.3025, 0.3676$, and the grayscale version is $74.5096, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $37.3212, 0.3276, 0.2847$ is the 20% darker color. If you saturate the color by 10%, you get $59.6374, 0.3325, 0.2744$, and if you desaturate by 10%, it is $84.9196, 0.3181, 0.3119$.

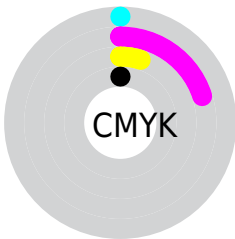
Distribution



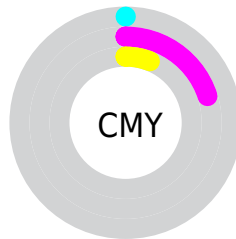
- Red (100%)
- Green (80%)
- Blue (95%)



- Red (100%)
- Yellow (80%)
- Blue (95%)



- Cyan (0%)
- Magenta (20%)
- Yellow (5%)
- Black (0%)





- Cyan (0%)
- Magenta (20%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.2735, 0.3248, 0.2933 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 71.2735, 0.3248, 0.2933 by changing the saturation by 10% instead.

 71.2735, 0.3248,
0.2933

 71.2735, 0.3248,
0.2933

465.0090, 0.3194,
0.3094

 52.5654, 0.3260,
0.2897

121.0231, 0.3230,
0.2988

 37.4560, 0.3274,
0.2854


152.8334, 0.3223,
0.3010

 25.5607, 0.3292,
0.2799


189.7798, 0.3216,
0.3028

 16.4953, 0.3315,
0.2729

232.2469, 0.3211,
0.3045

 9.8753, 0.3344,
0.2636

280.6190, 0.3206,
0.3059

 5.3164, 0.3385,
0.2507

335.2804, 0.3202,

 2.4341, 0.3444,

0.3072

0.2315

396.6156, 0.3198,
0.3083

0.8433, 0.3536,
0.2001

0.0000, 0.3992,
0.0000

71.2735, 0.3248,
0.2933

71.2735, 0.3248,
0.2933

59.6374, 0.3325,
0.2744

84.9196, 0.3181,
0.3119

49.9058, 0.3414,
0.2558

99.9875, 0.3127,
0.3290

41.9773, 0.3513,
0.2383

35.7378, 0.3621,
0.2231

■ 31.0599, 0.3737,
0.2111

■ 27.7978, 0.3855,
0.2035

■ 25.7783, 0.3972,
0.2007

■ 24.7307, 0.4085,
0.2026

■ 24.6944, 0.4090,
0.2027

Harmonies

Analogous

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



71.2735, 0.2933, 0.2800



71.2735, 0.3248, 0.2933



71.2735, 0.3542, 0.3151

Triad

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



71.2735, 0.3248, 0.2933



71.2735, 0.3575, 0.3817



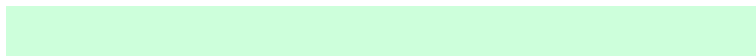
71.2735, 0.2566, 0.3123

Complementary

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



71.2735, 0.3248, 0.2933



89.5755, 0.3025, 0.3676

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.



71.2735, 0.2721, 0.3419



71.2735, 0.3248, 0.2933



71.2735, 0.3299, 0.3838

Square

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



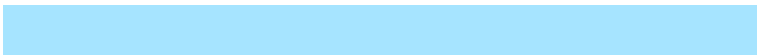
71.2735, 0.3248, 0.2933



71.2735, 0.3734, 0.3653



71.2735, 0.2986, 0.3691



71.2735, 0.2553, 0.2894

Rectangle

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



71.2735, 0.3248, 0.2933



71.2735, 0.3680, 0.3322



71.2735, 0.2986, 0.3691



71.2735, 0.2602, 0.3218

Sweetspot

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



71.2766, 0.3248, 0.2933



90.3513, 0.3160, 0.3184



65.8530, 0.2890, 0.2763



19.1240, 0.3164, 0.3172



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.



71.2766, 0.3248, 0.2933



67.1066, 0.3273, 0.2868



69.9196, 0.3427, 0.3172



18.2087, 0.3181, 0.3120



12.9377, 0.4072, 0.2017



1.2783, 0.3950, 0.1950

Inverse Universe

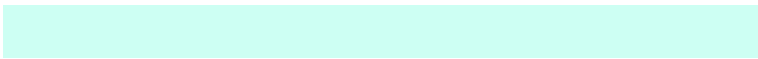
The Inverse Universe completely reimagines the original color for something new.



71.2766, 0.3248, 0.2933



67.1066, 0.3273, 0.2868



90.9505, 0.2894, 0.3411



18.2087, 0.3181, 0.3120



12.9377, 0.4072, 0.2017



1.2783, 0.3950, 0.1950

Previews

White Background



This preview shows how the Yxy color 71.2735, 0.3248, 0.2933 looks on a white background.

Color Contrast Check

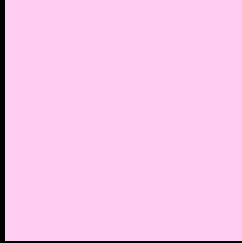
Large Text (above 18pt) WCAG AA × Fail

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 71.2735, 0.3248, 0.2933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

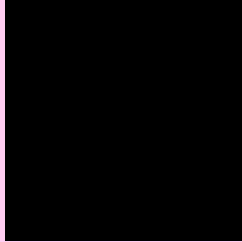
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.2735, 0.3248, 0.2933

Background



This preview shows how black text looks on a background with the Yxy color 71.2735, 0.3248, 0.2933.



This preview shows how white text looks on a background with the Yxy color 71.2735, 0.3248, 0.2933.

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

71.2735, 0.3248, 0.2933

Protanopia

71.4294, 0.2909, 0.2960

Deuteranopia

71.4809, 0.3089, 0.3029



Tritanopia

71.3762, 0.3354, 0.3128

Trichromacy



Original Color

71.2735, 0.3248, 0.2933

Protanomaly

71.0653, 0.3029, 0.2947

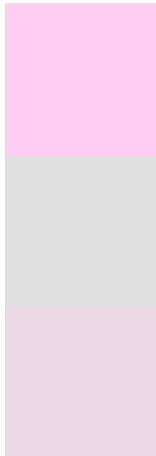
Deuteranomaly

71.4051, 0.3141, 0.2992

Tritanomaly

71.4096, 0.3319, 0.3059

Monochromacy



Original Color

71.2735, 0.3248, 0.2933

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

73.0010, 0.3170, 0.3154

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.2735, 0.3248, 0.2933 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, 205, 241)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 241)  
}
```

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, 205, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 241) }
```

Border

The CSS property to change the border of an element to Yxy 71.2735, 0.3248, 0.2933 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, 205, 241) }
```

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

```
.border{ border-color:rgb(255, 205, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 205, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 241);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 71.2735, 0.3248, 0.2933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 205, 241) }
```

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

```
.background{ background-color: rgb(255,  
205, 241) }
```

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