

Converting Colors

$Y_{xy}(71.2733, 0.3194, 0.2849)$

Have a look what the booklet for
Yxy(71.2733, 0.3194, 0.2849)
contains.

Yxy(71.2853, 0.3192, 0.2847)	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(71.2853, 0.3192, 0.2847)

Conversions

Conversions Part 1

Format	Color
Hex	FFCCF9
RGB	255, 204, 249
RGB Percent	100%, 80%, 98%
CMY	0.0001, 0.1999, 0.0235
CMYK	0.00, 0.20, 0.02, 0.00
HSL	307°, 100%, 90%
HSV	307°, 20%, 100%
XYZ	79.9237, 71.2853, 99.1785
YIQ	224.3790, 15.9510, 24.8070

Conversions

Conversions Part 2

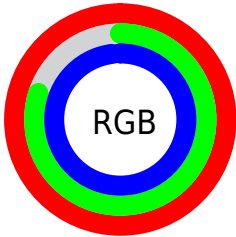
Format	Color
R _Y B	255, 204, 249
Decimal	16764153
CIE Lab	87.62, 25.28, -15.21
CIE LCh	88, 29.506, 328.967
Yxy	71.2853, 0.3192, 0.2847
Android (android.graphics.Color)	4294954233 (0xFFFFCCF9)
YUV	224.3790, 12.1382, 26.8546
Hunter-Lab	84.4306, 21.2180, -10.5450

Details

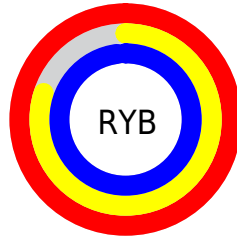
The Yxy color **71.2853, 0.3192, 0.2847** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **88.9906, 0.3068, 0.3777**, and the grayscale version is **74.7301, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.3509, 0.3202, 0.2739** is the 20% darker color. If you saturate the color by 10%, you get **59.9582, 0.3230, 0.2621**, and if you desaturate by 10%, it is **84.6055, 0.3158, 0.3072**.

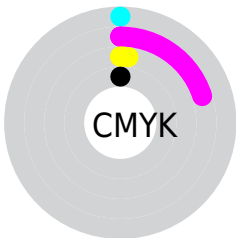
Distribution



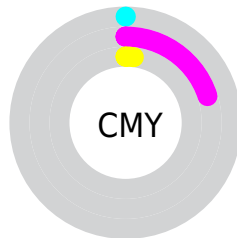
- Red (100%)
- Green (80%)
- Blue (98%)



- Red (100%)
- Yellow (80%)
- Blue (98%)



- Cyan (0%)
- Magenta (20%)
- Yellow (2%)
- Black (0%)





- Cyan (0%)
- Magenta (20%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.2853, 0.3192, 0.2847 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 71.2853, 0.3192, 0.2847 by changing the saturation by 10% instead.


 71.2853, 0.3192,
0.2847

 71.2853, 0.3192,
0.2847

465.0502, 0.3165,
0.3045

 52.5751, 0.3197,
0.2803

121.0399, 0.3183,
0.2914

 37.4636, 0.3204,
0.2750

152.8530, 0.3180,
0.2941

 25.5667, 0.3211,
0.2684


189.8025, 0.3177,
0.2964

 16.4997, 0.3220,
0.2600

232.2728, 0.3174,
0.2984

 9.8785, 0.3230,
0.2489

280.6484, 0.3171,
0.3002

 5.3185, 0.3243,
0.2337

335.3135, 0.3169,

 2.4353, 0.3255,

0.3018

0.2114

396.6526, 0.3167,
0.3032

0.8440, 0.3261,
0.1763

0.0000, 0.3209,
0.0000

71.2853, 0.3192,
0.2847

71.2853, 0.3192,
0.2847

59.9582, 0.3230,
0.2621

84.6055, 0.3158,
0.3072

50.5185, 0.3272,
0.2402

99.9919, 0.3127,
0.3290

42.8648, 0.3317,
0.2200

99.9937, 0.3127,
0.3290

36.8825, 0.3363,
0.2024

■ 32.4436, 0.3409,
0.1883

■ 29.4017, 0.3453,
0.1786

■ 27.5823, 0.3495,
0.1734

■ 26.7003, 0.3534,
0.1721

■ 26.6991, 0.3535,
0.1721

Harmonies

Analogous

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



71.2853, 0.2841, 0.2720



71.2853, 0.3192, 0.2847



71.2853, 0.3543, 0.3077

Triad

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



71.2853, 0.3192, 0.2847



71.2853, 0.3686, 0.3865



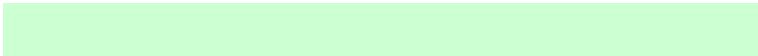
71.2853, 0.2511, 0.3158

Complementary

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



71.2853, 0.3192, 0.2847



88.9906, 0.3068, 0.3777

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.



71.2853, 0.2714, 0.3505



71.2853, 0.3192, 0.2847



71.2853, 0.3389, 0.3931

Square

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



71.2853, 0.3192, 0.2847



71.2853, 0.3836, 0.3650



71.2853, 0.3032, 0.3800



71.2853, 0.2464, 0.2877

Rectangle

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



71.2853, 0.3192, 0.2847



71.2853, 0.3722, 0.3265



71.2853, 0.3032, 0.3800



71.2853, 0.2562, 0.3271

Sweetspot

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



71.2884, 0.3192, 0.2847



90.5090, 0.3145, 0.3160



64.1083, 0.2832, 0.2742



19.1614, 0.3147, 0.3146



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.



71.2884, 0.3192, 0.2847



66.5224, 0.3207, 0.2756



69.8055, 0.3377, 0.3093



18.2617, 0.3156, 0.3083



13.9695, 0.3528, 0.1717



1.3701, 0.3487, 0.1695

Inverse Universe

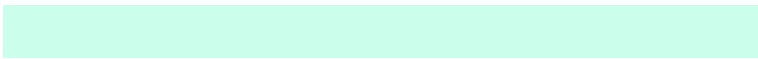
The Inverse Universe completely reimagines the original color for something new.



71.2884, 0.3192, 0.2847



66.5224, 0.3207, 0.2756



90.3623, 0.2929, 0.3496



18.2617, 0.3156, 0.3083



13.9695, 0.3528, 0.1717



1.3701, 0.3487, 0.1695

Previews

White Background



This preview shows how the Yxy color 71.2853, 0.3192, 0.2847 looks on a white background.

Color Contrast Check

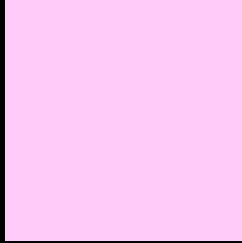
Large Text (above 18pt) WCAG AA × Fail

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 71.2853, 0.3192, 0.2847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

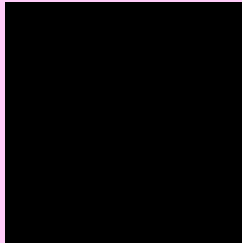
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.2853, 0.3192, 0.2847

Background



This preview shows how black text looks on a background with the Yxy color 71.2853, 0.3192, 0.2847.



This preview shows how white text looks on a background with the Yxy color 71.2853, 0.3192, 0.2847.

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

71.2853, 0.3192, 0.2847

Protanopia

71.5089, 0.2860, 0.2898

Deuteranopia

71.4665, 0.3016, 0.2946



Tritanopia

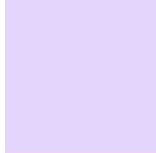
71.2434, 0.3339, 0.3118

Trichromacy



Original Color

71.2853, 0.3192, 0.2847



Protanomaly

71.1743, 0.2971, 0.2876



Deuteranomaly

71.0476, 0.3073, 0.2902



Tritanomaly

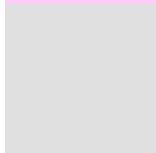
71.4488, 0.3282, 0.3019

Monochromacy



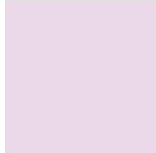
Original Color

71.2853, 0.3192, 0.2847



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

73.1711, 0.3149, 0.3123

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.2853, 0.3192, 0.2847 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, 249)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 249)  
}
```

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, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 249) }
```

Border

The CSS property to change the border of an element to Yxy 71.2853, 0.3192, 0.2847 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, 249) }
```

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

```
.border{ border-color:rgb(255, 204, 249) }
```

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, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 249);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 71.2853, 0.3192, 0.2847 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, 249) }
```

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

```
.background{ background-color: rgb(255,  
204, 249) }
```

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