

Converting Colors

Yxy(83.4441, 0.3613, 0.2899)

Have a look what the booklet for
Yxy(83.4441, 0.3613, 0.2899)
contains.

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Color

Yxy(70.8114, 0.3193, 0.2837)

Conversions

Conversions Part 1

Format	Color
Hex	FFCBF9
RGB	255, 203, 249
RGB Percent	100%, 80%, 98%
CMY	0.0000, 0.2039, 0.0235
CMYK	0.00, 0.20, 0.02, 0.00
HSL	307°, 100%, 90%
HSV	307°, 20%, 100%
XYZ	79.6971, 70.8114, 99.0910
YIQ	223.7920, 16.2260, 25.3300

Conversions

Conversions Part 2

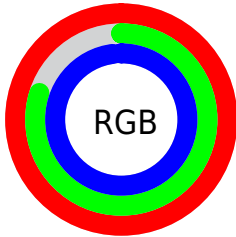
Format	Color
R _Y B	255, 203, 249
Decimal	16763897
CIE Lab	87.39, 25.83, -15.55
CIE LCh	87, 30.148, 328.948
Yxy	70.8114, 0.3193, 0.2837
Android (android.graphics.Color)	4294953977 (0xFFFFCBF9)
YUV	223.7920, 12.4275, 27.3694
Hunter-Lab	84.1495, 21.7939, -10.9128

Details

The Yxy color $70.8114, 0.3193, 0.2837$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $88.8203, 0.3067, 0.3789$, and the grayscale version is $74.2864, 0.3127, 0.3290$.

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 $59.5607, 0.3231, 0.2611$, and if you desaturate by 10%, it is $84.0483, 0.3159, 0.3063$.

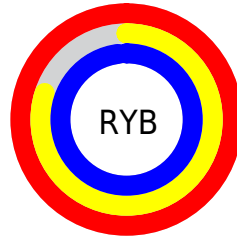
Distribution



Red (100%)

Green (80%)

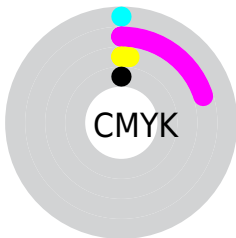
Blue (98%)



Red (100%)

Yellow (80%)

Blue (98%)

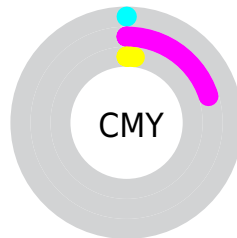


Cyan (0%)

Magenta (20%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (20%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.8114, 0.3193, 0.2837 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 70.8114, 0.3193, 0.2837 by changing the saturation by 10% instead.


 70.8114, 0.3193,
0.2837

 70.8114, 0.3193,
0.2837

463.3939, 0.3166,
0.3040

 52.1883, 0.3198,
0.2792


120.3651, 0.3184,
0.2906

 37.1552, 0.3205,
0.2738


152.0646, 0.3181,
0.2933

 25.3277, 0.3212,
0.2671

188.8916, 0.3177,
0.2957

 16.3213, 0.3221,
0.2585

231.2305, 0.3175,
0.2977

 9.7518, 0.3231,
0.2471

279.4658, 0.3172,
0.2996

 5.2347, 0.3243,
0.2315

333.9819, 0.3170,

 2.3856, 0.3255,

0.3012

0.2088

395.1631, 0.3168,
0.3026

0.8185, 0.3260,
0.1727

0.0000, 0.3155,
0.0000

70.8114, 0.3193,
0.2837

70.8114, 0.3193,
0.2837

59.5607, 0.3231,
0.2611

84.0483, 0.3159,
0.3063

50.1956, 0.3273,
0.2392

99.3577, 0.3128,
0.3282

42.6124, 0.3317,
0.2190

100.0000, 0.3127,
0.3290

36.6961, 0.3362,
0.2015

■ 32.3181, 0.3408,
0.1877

■ 29.3310, 0.3452,
0.1781

■ 27.5586, 0.3493,
0.1730

■ 26.7284, 0.3530,
0.1718

Harmonies

Analogous

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



70.8114, 0.2834, 0.2707



70.8114, 0.3193, 0.2837



70.8114, 0.3553, 0.3072

Triad

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



70.8114, 0.3193, 0.2837



70.8114, 0.3700, 0.3878



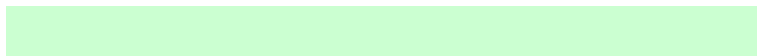
70.8114, 0.2497, 0.3154

Complementary

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



70.8114, 0.3193, 0.2837



88.8203, 0.3067, 0.3789

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.



70.8114, 0.2704, 0.3510



70.8114, 0.3193, 0.2837



70.8114, 0.3395, 0.3947

Square

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



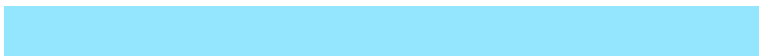
70.8114, 0.3193, 0.2837



70.8114, 0.3853, 0.3657



70.8114, 0.3030, 0.3813



70.8114, 0.2449, 0.2867

Rectangle

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



70.8114, 0.3193, 0.2837



70.8114, 0.3736, 0.3264



70.8114, 0.3030, 0.3813



70.8114, 0.2549, 0.3270

Sweetspot

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



70.8127, 0.3193, 0.2837



90.5105, 0.3145, 0.3160



63.3722, 0.2819, 0.2729



19.1618, 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.



70.8127, 0.3193, 0.2837



66.5283, 0.3206, 0.2755



69.3440, 0.3377, 0.3080



18.2622, 0.3156, 0.3082



13.9806, 0.3524, 0.1715



1.3710, 0.3483, 0.1692

Inverse Universe

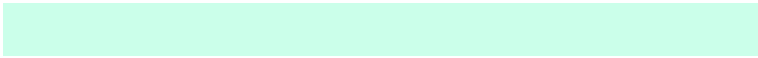
The Inverse Universe completely reimagines the original color for something new.



70.8127, 0.3193, 0.2837



66.5283, 0.3206, 0.2755



90.1689, 0.2930, 0.3510



18.2622, 0.3156, 0.3082



13.9806, 0.3524, 0.1715



1.3710, 0.3483, 0.1692

Previews

White Background



This preview shows how the Yxy color 70.8114, 0.3193, 0.2837 looks on a white background.

Color Contrast Check

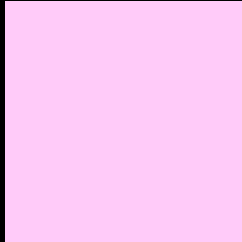
Large Text (above 18pt) WCAG AA × Fail

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 70.8114, 0.3193, 0.2837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

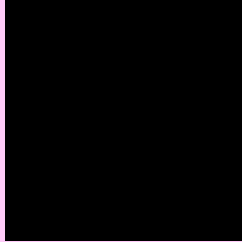
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.8114, 0.3193, 0.2837

Background



This preview shows how black text looks on a background with the Yxy color 70.8114, 0.3193, 0.2837.



This preview shows how white text looks on a background with the Yxy color 70.8114, 0.3193, 0.2837.

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

70.8114, 0.3193, 0.2837

Protanopia

71.3599, 0.2853, 0.2897

Deuteranopia

71.3025, 0.3009, 0.2946



Tritanopia

70.5167, 0.3340, 0.3117

Trichromacy



Original Color

70.8114, 0.3193, 0.2837



Protanomaly

71.1743, 0.2971, 0.2876



Deuteranomaly

71.0476, 0.3073, 0.2902



Tritanomaly

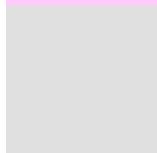
70.7213, 0.3283, 0.3018

Monochromacy



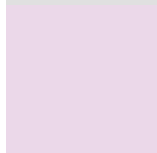
Original Color

70.8114, 0.3193, 0.2837



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

72.6571, 0.3150, 0.3113

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8114, 0.3193, 0.2837 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, 203, 249)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 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, 203, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 249) }
```

Border

The CSS property to change the border of an element to Yxy 70.8114, 0.3193, 0.2837 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, 203, 249) }
```

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

```
.border{ border-color:rgb(255, 203, 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, 203, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 249);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8114, 0.3193, 0.2837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 203, 249) }
```

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

```
.background{ background-color: rgb(255,  
203, 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](#).

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