

Converting Colors

$Y_{xy}(70.7383, 0.3222, 0.2861)$

Have a look what the booklet for
Yxy(70.7383, 0.3222, 0.2861)
contains.

Yxy(70.6257, 0.3214, 0.2865)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.6257, 0.3214, 0.2865)

Conversions

Conversions Part 1

Format	Color
Hex	FFCBF6
RGB	255, 203, 246
RGB Percent	100%, 80%, 96%
CMY	0.0000, 0.2039, 0.0352
CMYK	0.00, 0.20, 0.04, 0.00
HSL	310°, 100%, 90%
HSV	310°, 20%, 100%
XYZ	79.2290, 70.6257, 96.6574
YIQ	223.4500, 17.1890, 24.3970

Conversions

Conversions Part 2

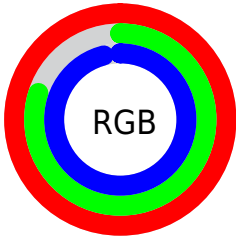
Format	Color
R _Y B	255, 203, 246
Decimal	16763894
CIE Lab	87.30, 25.29, -14.11
CIE LCh	87, 28.961, 330.849
Yxy	70.6257, 0.3214, 0.2865
Android (android.graphics.Color)	4294953974 (0xFFFFCBF6)
YUV	223.4500, 11.1172, 27.6694
Hunter-Lab	84.0391, 21.2148, -9.3649

Details

The Yxy color $70.6257, 0.3214, 0.2865$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $88.9633, 0.3051, 0.3756$, and the grayscale version is $74.0407, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $37.2184, 0.3230, 0.2774$ is the 20% darker color. If you saturate the color by 10%, you get $59.2917, 0.3266, 0.2651$, and if you desaturate by 10%, it is $83.9529, 0.3168, 0.3077$.

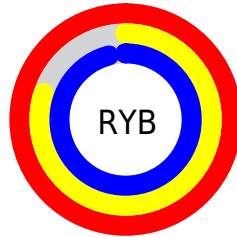
Distribution



Red (100%)

Green (80%)

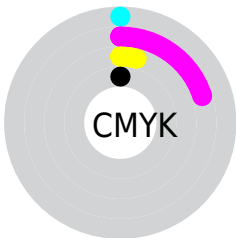
Blue (96%)



Red (100%)

Yellow (80%)

Blue (96%)

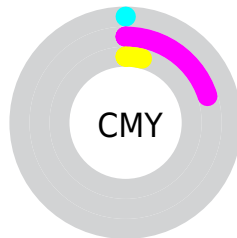


Cyan (0%)

Magenta (20%)

Yellow (4%)

Black (0%)



Cyan (0%)

Magenta (20%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.6257, 0.3214, 0.2865 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 70.6257, 0.3214, 0.2865 by changing the saturation by 10% instead.

 70.6257, 0.3214,
0.2865

 70.6257, 0.3214,
0.2865

462.7439, 0.3177,
0.3056

 52.0368, 0.3222,
0.2823


120.1006, 0.3202,
0.2930

 37.0344, 0.3231,
0.2772


151.7554, 0.3197,
0.2956

 25.2341, 0.3242,
0.2708


188.5343, 0.3192,
0.2978

 16.2516, 0.3256,
0.2626

230.8217, 0.3189,
0.2997

 9.7024, 0.3274,
0.2518

279.0019, 0.3185,
0.3014

 5.2021, 0.3296,
0.2369

333.4595, 0.3182,

 2.3663, 0.3325,

0.3030

0.2150

394.5787, 0.3179,
0.3043

0.8085, 0.3361,
0.1798

0.0000, 0.3354,
0.0000

70.6257, 0.3214,
0.2865

70.6257, 0.3214,
0.2865

59.2917, 0.3266,
0.2651

83.9529, 0.3168,
0.3077

49.8449, 0.3323,
0.2444

99.3541, 0.3129,
0.3282

42.1834, 0.3386,
0.2251

99.9979, 0.3127,
0.3290

36.1921, 0.3452,
0.2084

■ 31.7424, 0.3520,
0.1952

■ 28.6870, 0.3587,
0.1863

■ 26.8496, 0.3652,
0.1820

■ 25.9598, 0.3711,
0.1818

Harmonies

Analogous

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



70.6257, 0.2865, 0.2732



70.6257, 0.3214, 0.2865



70.6257, 0.3556, 0.3097

Triad

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



70.6257, 0.3214, 0.2865



70.6257, 0.3663, 0.3865



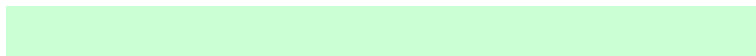
70.6257, 0.2512, 0.3140

Complementary

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



70.6257, 0.3214, 0.2865



88.9633, 0.3051, 0.3756

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.



70.6257, 0.2703, 0.3480



70.6257, 0.3214, 0.2865



70.6257, 0.3364, 0.3918

Square

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



70.6257, 0.3214, 0.2865



70.6257, 0.3821, 0.3661



70.6257, 0.3012, 0.3777



70.6257, 0.2476, 0.2870

Rectangle

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



70.6257, 0.3214, 0.2865



70.6257, 0.3726, 0.3284



70.6257, 0.3012, 0.3777



70.6257, 0.2560, 0.3250

Sweetspot

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



70.6288, 0.3214, 0.2865



90.4547, 0.3150, 0.3168



63.8837, 0.2843, 0.2733



19.1485, 0.3153, 0.3155



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.



70.6288, 0.3214, 0.2865



66.3128, 0.3232, 0.2788



69.1591, 0.3403, 0.3115



18.2434, 0.3165, 0.3096



13.5856, 0.3702, 0.1813



1.3363, 0.3636, 0.1776

Inverse Universe

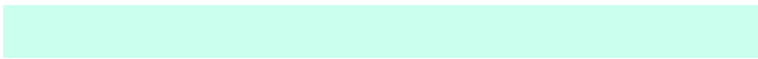
The Inverse Universe completely reimagines the original color for something new.



70.6288, 0.3214, 0.2865



66.3128, 0.3232, 0.2788



90.3640, 0.2912, 0.3473



18.2434, 0.3165, 0.3096



13.5856, 0.3702, 0.1813



1.3363, 0.3636, 0.1776

Previews

White Background



This preview shows how the Yxy color 70.6257, 0.3214, 0.2865 looks on a white background.

Color Contrast Check

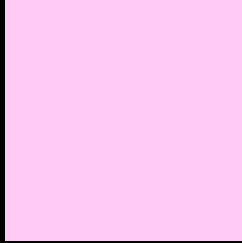
Large Text (above 18pt) WCAG AA × Fail

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 70.6257, 0.3214, 0.2865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

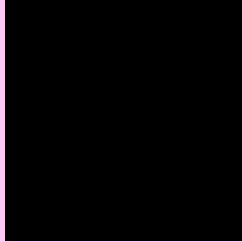
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.6257, 0.3214, 0.2865

Background



This preview shows how black text looks on a background with the Yxy color 70.6257, 0.3214, 0.2865.

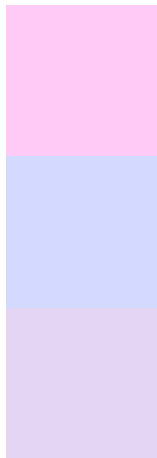


This preview shows how white text looks on a background with the Yxy color 70.6257, 0.3214, 0.2865.

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

70.6257, 0.3214, 0.2865

Protanopia

70.8428, 0.2853, 0.2886

Deuteranopia

70.7782, 0.3035, 0.2966



Tritanopia

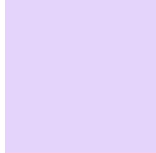
70.6488, 0.3355, 0.3128

Trichromacy



Original Color

70.6257, 0.3214, 0.2865



Protanomaly

70.6092, 0.2977, 0.2875



Deuteranomaly

70.3706, 0.3094, 0.2921



Tritanomaly

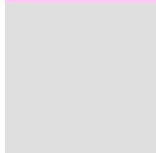
70.7948, 0.3305, 0.3038

Monochromacy



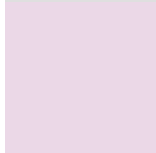
Original Color

70.6257, 0.3214, 0.2865



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

72.5434, 0.3163, 0.3133

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6257, 0.3214, 0.2865 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, 246)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 246)  
}
```

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, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 246) }
```

Border

The CSS property to change the border of an element to Yxy 70.6257, 0.3214, 0.2865 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, 246) }
```

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

```
.border{ border-color:rgb(255, 203, 246) }
```

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, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 246);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6257, 0.3214, 0.2865 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, 246) }
```

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

```
.background{ background-color: rgb(255,  
203, 246) }
```

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