

Converting Colors

$Y_{xy}(68.8796, 0.3204, 0.2808)$

Have a look what the booklet for
Yxy(68.8796, 0.3204, 0.2808)
contains.

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Color

Yxy(68.8842, 0.3203, 0.2806)

Conversions

Conversions Part 1

Format	Color
Hex	FFC7F8
RGB	255, 199, 248
RGB Percent	100%, 78%, 97%
CMY	0.0000, 0.2197, 0.0274
CMYK	0.00, 0.22, 0.03, 0.00
HSL	307°, 100%, 89%
HSV	307°, 22%, 100%
XYZ	78.6301, 68.8842, 97.9746
YIQ	221.3300, 17.6470, 27.1110

Conversions

Conversions Part 2

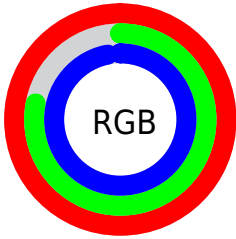
Format	Color
R _Y B	255, 199, 248
Decimal	16762872
CIE Lab	86.45, 27.79, -16.45
CIE LCh	86, 32.299, 329.377
Yxy	68.8842, 0.3203, 0.2806
Android (android.graphics.Color)	4294952952 (0xFFFFC7F8)
YUV	221.3300, 13.1483, 29.5286
Hunter-Lab	82.9965, 23.8653, -11.8923

Details

The Yxy color **68.8842, 0.3203, 0.2806** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **88.1121, 0.3060, 0.3827**, and the grayscale version is **72.4352, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.0623, 0.3214, 0.2700** is the 20% darker color. If you saturate the color by 10%, you get **57.9114, 0.3243, 0.2582**, and if you desaturate by 10%, it is **81.8026, 0.3166, 0.3030**.

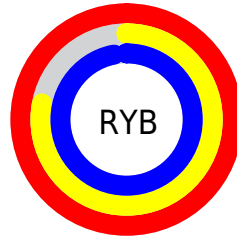
Distribution



Red (100%)

Green (78%)

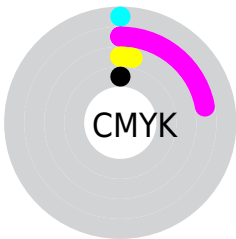
Blue (97%)



Red (100%)

Yellow (78%)

Blue (97%)

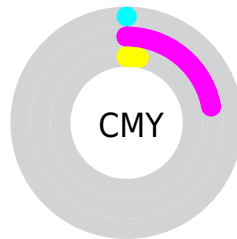


Cyan (0%)

Magenta (22%)

Yellow (3%)

Black (0%)



Cyan (0%)


Magenta (22%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.8842, 0.3203, 0.2806 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 68.8842, 0.3203, 0.2806 by changing the saturation by 10% instead.

 68.8842, 0.3203,
0.2806

 68.8842, 0.3203,
0.2806


456.6224, 0.3172,
0.3023

 50.6174, 0.3209,
0.2758


117.6162, 0.3193,
0.2880

 35.9042, 0.3217,
0.2700

148.8501, 0.3189,
0.2909

 24.3602, 0.3225,
0.2628


185.1753, 0.3185,
0.2934

 15.6011, 0.3236,
0.2535

226.9760, 0.3182,
0.2956

 9.2423, 0.3248,
0.2413

274.6367, 0.3179,
0.2976

 4.8996, 0.3262,
0.2245

328.5417, 0.3176,

 2.1884, 0.3276,

0.2993

0.2001

389.0755, 0.3174,
0.3009

0.7137, 0.3289,
0.1598

0.0000, 0.2967,
0.0000

68.8842, 0.3203,
0.2806

68.8842, 0.3203,
0.2806

57.9114, 0.3243,
0.2582

81.8026, 0.3166,
0.3030

48.8218, 0.3288,
0.2367

96.7933, 0.3133,
0.3248

41.4972, 0.3335,
0.2171

100.0000, 0.3127,
0.3290

35.8205, 0.3384,
0.2002

■ 31.6608, 0.3433,
0.1870

■ 28.8668, 0.3480,
0.1783

■ 27.2564, 0.3525,
0.1740

■ 26.6005, 0.3558,
0.1734

Harmonies

Analogous

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



68.8842, 0.2815, 0.2664



68.8842, 0.3203, 0.2806



68.8842, 0.3592, 0.3058

Triad

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



68.8842, 0.3203, 0.2806



68.8842, 0.3741, 0.3926



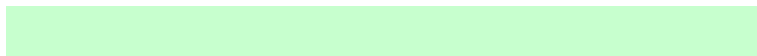
68.8842, 0.2446, 0.3136

Complementary

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



68.8842, 0.3203, 0.2806



88.1121, 0.3060, 0.3827

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.



68.8842, 0.2666, 0.3522



68.8842, 0.3203, 0.2806



68.8842, 0.3409, 0.4002

Square

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



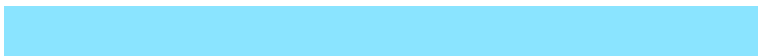
68.8842, 0.3203, 0.2806



68.8842, 0.3911, 0.3687



68.8842, 0.3015, 0.3855



68.8842, 0.2399, 0.2828

Rectangle

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



68.8842, 0.3203, 0.2806



68.8842, 0.3790, 0.3264



68.8842, 0.3015, 0.3855



68.8842, 0.2501, 0.3261

Sweetspot

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



68.8724, 0.3202, 0.2806



88.9929, 0.3149, 0.3139



61.1053, 0.2798, 0.2681



18.8554, 0.3151, 0.3126



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.



68.8724, 0.3202, 0.2806



64.2257, 0.3218, 0.2715



67.2849, 0.3408, 0.3072



18.2591, 0.3157, 0.3084



13.9147, 0.3552, 0.1730



1.3653, 0.3507, 0.1706

Inverse Universe

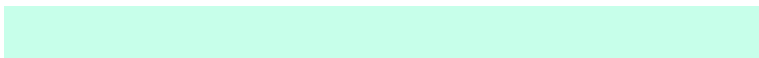
The Inverse Universe completely reimagines the original color for something new.



68.8724, 0.3202, 0.2806



64.2257, 0.3218, 0.2715



89.5713, 0.2911, 0.3519



18.2591, 0.3157, 0.3084



13.9147, 0.3552, 0.1730



1.3653, 0.3507, 0.1706

Previews

White Background



This preview shows how the Yxy color 68.8842, 0.3203, 0.2806 looks on a white background.

Color Contrast Check

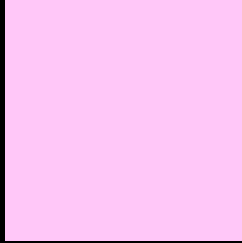
Large Text (above 18pt) WCAG AA × Fail

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 68.8842, 0.3203, 0.2806 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

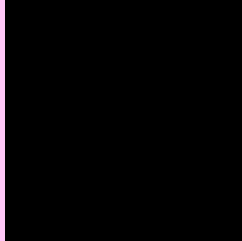
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.8842, 0.3203, 0.2806

Background



This preview shows how black text looks on a background with the Yxy color 68.8842, 0.3203, 0.2806.



This preview shows how white text looks on a background with the Yxy color 68.8842, 0.3203, 0.2806.

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

68.8842, 0.3203, 0.2806

Protanopia

69.2308, 0.2825, 0.2861

Deuteranopia

69.0896, 0.2987, 0.2921



Tritanopia

68.8623, 0.3373, 0.3127

Trichromacy



Original Color

68.8842, 0.3203, 0.2806

Protanomaly

68.6368, 0.2956, 0.2840

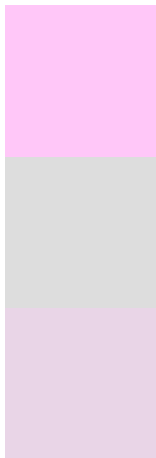
Deuteranomaly

69.0032, 0.3059, 0.2877

Tritanomaly

68.6497, 0.3309, 0.3007

Monochromacy



Original Color

68.8842, 0.3203, 0.2806

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

70.6817, 0.3151, 0.3101

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.8842, 0.3203, 0.2806 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, 199, 248)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 248)  
}
```

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, 199, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 248) }
```

Border

The CSS property to change the border of an element to Yxy 68.8842, 0.3203, 0.2806 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, 199, 248) }
```

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

```
.border{ border-color:rgb(255, 199, 248) }
```

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

Here you see how a box with a 4 pixel rgb(255, 199, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 248);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 68.8842, 0.3203, 0.2806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 248) }
```

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

```
.background{ background-color: rgb(255,  
199, 248) }
```

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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