

Converting Colors

$Y_{xy}(80.6665, 0.3202, 0.3066)$

Have a look what the booklet for
Yxy(80.6665, 0.3202, 0.3066)
contains.

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Color

Yxy(80.6892, 0.3201, 0.3065)

Conversions

Conversions Part 1

Format	Color
Hex	FFDFF6
RGB	255, 223, 246
RGB Percent	100%, 87%, 96%
CMY	0.0000, 0.1255, 0.0354
CMYK	0.00, 0.13, 0.04, 0.00
HSL	317°, 100%, 94%
HSV	317°, 13%, 100%
XYZ	84.2695, 80.6892, 98.3013
YIQ	235.1900, 11.6890, 13.9370

Conversions

Conversions Part 2

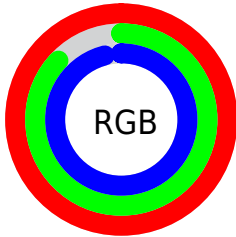
Format	Color
RYB	255, 223, 246
Decimal	16769014
CIELab	91.99, 14.85, -7.10
CIELCh	92, 16.462, 334.436
Yxy	80.6892, 0.3201, 0.3065
Android (android.graphics.Color)	4294959094 (0xFFFFDFF6)
YUV	235.1900, 5.3293, 17.3734
Hunter-Lab	89.8272, 10.2586, -2.0043

Details

The Yxy color **80.6892, 0.3201, 0.3065** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **93.0345, 0.3061, 0.3526**, and the grayscale version is **83.1768, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.7287, 0.3212, 0.3015** is the 20% darker color. If you saturate the color by 10%, you get **67.6372, 0.3271, 0.2878**, and if you desaturate by 10%, it is **95.8022, 0.3141, 0.3245**.

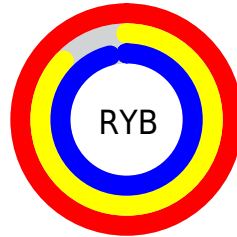
Distribution



Red (100%)

Green (87%)

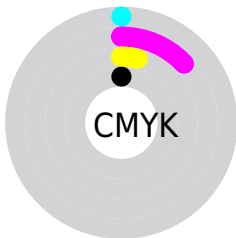
Blue (96%)



Red (100%)

Yellow (87%)

Blue (96%)

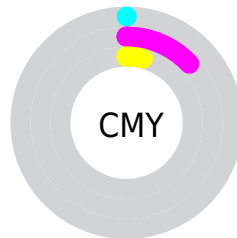


Cyan (0%)

Magenta (13%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (13%)


Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.6892, 0.3201, 0.3065 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 80.6892, 0.3201, 0.3065 by changing the saturation by 10% instead.


 80.6892, 0.3201,
0.3065

 80.6892, 0.3201,
0.3065

497.2525, 0.3168,
0.3165

 60.2857, 0.3208,
0.3043


134.3343, 0.3190,
0.3099

 43.6489, 0.3217,
0.3016

168.3446, 0.3186,
0.3113

 30.3946, 0.3227,
0.2983


207.6593, 0.3182,
0.3124

 20.1383, 0.3241,
0.2940

252.6628, 0.3178,
0.3135

 12.4956, 0.3259,
0.2884

303.7395, 0.3176,
0.3144

 7.0822, 0.3283,
0.2806

361.2737, 0.3173,

 3.5135, 0.3319,

0.3152

0.2691

425.6499, 0.3171,
0.3159

■ 1.4053, 0.3374,
0.2506

■ 0.2207, 0.3741,
0.1442

■ 80.6892, 0.3201,
0.3065

■ 80.6892, 0.3201,
0.3065

■ 67.6372, 0.3271,
0.2878

■ 95.8022, 0.3141,
0.3245

■ 56.5665, 0.3352,
0.2690

100.0000, 0.3127,
0.3290

■ 47.3747, 0.3445,
0.2507

■ 39.9546, 0.3548,
0.2338

■ 34.1884, 0.3660,
0.2195

■ 29.9437, 0.3777,
0.2087

■ 27.0679, 0.3897,
0.2025

■ 25.3761, 0.4014,
0.2013

■ 24.6831, 0.4099,
0.2032

Harmonies

Analogous

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



80.6892, 0.3008, 0.2982



80.6892, 0.3201, 0.3065



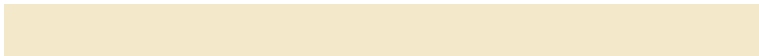
80.6892, 0.3379, 0.3204

Triad

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



80.6892, 0.3201, 0.3065



80.6892, 0.3405, 0.3612



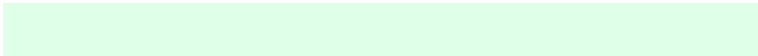
80.6892, 0.2778, 0.3195

Complementary

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



80.6892, 0.3201, 0.3065



93.0345, 0.3061, 0.3526

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.



80.6892, 0.2879, 0.3373



80.6892, 0.3201, 0.3065



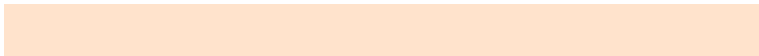
80.6892, 0.3239, 0.3620

Square

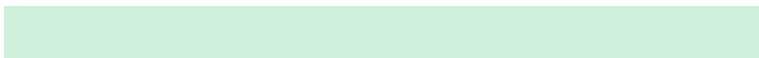
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



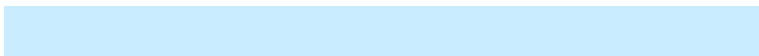
80.6892, 0.3201, 0.3065



80.6892, 0.3498, 0.3517



80.6892, 0.3046, 0.3532



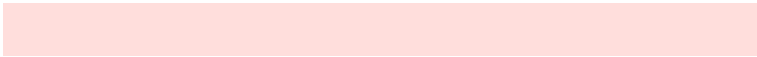
80.6892, 0.2769, 0.3050

Rectangle

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



80.6892, 0.3201, 0.3065



80.6892, 0.3462, 0.3312



80.6892, 0.3046, 0.3532



80.6892, 0.2803, 0.3253

Sweetspot

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



80.6852, 0.3201, 0.3065



93.4800, 0.3149, 0.3220



77.0701, 0.2983, 0.2964



19.7543, 0.3153, 0.3206



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

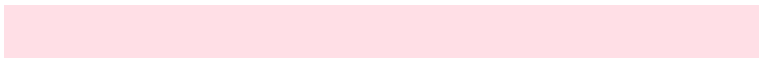
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.6852, 0.3201, 0.3065



77.3016, 0.3217, 0.3020



79.7721, 0.3305, 0.3216



18.2079, 0.3181, 0.3121



12.9243, 0.4081, 0.2022



1.2771, 0.3958, 0.1954

Inverse Universe

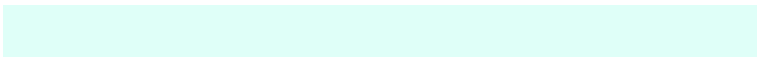
The Inverse Universe completely reimagines the original color for something new.



80.6852, 0.3201, 0.3065



77.3016, 0.3217, 0.3020



93.9555, 0.2975, 0.3365



18.2079, 0.3181, 0.3121



12.9243, 0.4081, 0.2022



1.2771, 0.3958, 0.1954

Previews

White Background



This preview shows how the Yxy color 80.6892, 0.3201, 0.3065 looks on a white background.

Color Contrast Check

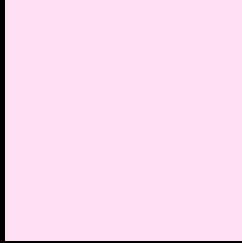
Large Text (above 18pt) WCAG AA × Fail

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 80.6892, 0.3201, 0.3065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

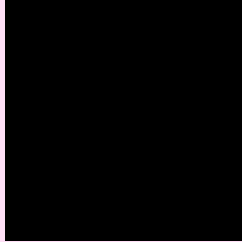
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.6892, 0.3201, 0.3065

Background



This preview shows how black text looks on a background with the Yxy color 80.6892, 0.3201, 0.3065.

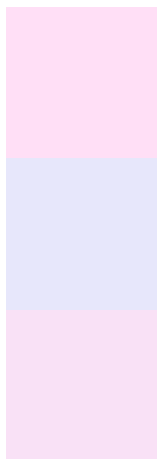


This preview shows how white text looks on a background with the Yxy color 80.6892, 0.3201, 0.3065.

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

80.6892, 0.3201, 0.3065

Protanopia

81.1058, 0.3004, 0.3086

Deuteranopia

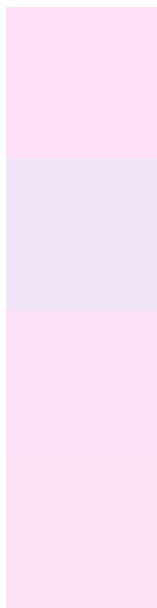
80.6440, 0.3158, 0.3082



Tritanopia

80.7330, 0.3226, 0.3123

Trichromacy



Original Color

80.6892, 0.3201, 0.3065

Protanomaly

80.8516, 0.3076, 0.3079

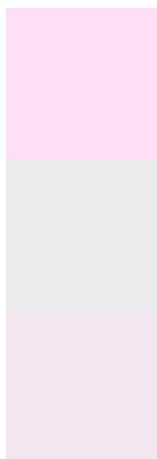
Deuteranomaly

80.4744, 0.3172, 0.3073

Tritanomaly

80.8532, 0.3213, 0.3103

Monochromacy



Original Color

80.6892, 0.3201, 0.3065

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

82.2611, 0.3151, 0.3209

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.6892, 0.3201, 0.3065 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, 223, 246)` looks like.

```
.text, #text, p{  
    color:rgb(255, 223, 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, 223, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 246) }
```

Border

The CSS property to change the border of an element to Yxy 80.6892, 0.3201, 0.3065 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, 223, 246) }
```

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

```
.border{ border-color:rgb(255, 223, 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, 223, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 223, 246); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 223, 246); box-shadow:4px 4px 4px 4px rgb(255, 223, 246) }
```


Background

The CSS property to change the background color of an element to Yxy 80.6892, 0.3201, 0.3065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 223, 246) }
```

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

```
.background{ background-color: rgb(255,  
223, 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](#).

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