

Converting Colors

$Yxy(80.9574, 0.3099, 0.2991)$

Have a look what the booklet for
Yxy(80.9574, 0.3099, 0.2991)
contains.

Yxy(81.2102, 0.3100, 0.2996)	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(81.2102, 0.3100, 0.2996)

Conversions

Conversions Part 1

Format	Color
Hex	F9E1FF
RGB	249, 225, 255
RGB Percent	98%, 88%, 100%
CMY	0.0236, 0.1176, 0.0001
CMYK	0.02, 0.12, 0.00, 0.00
HSL	288°, 100%, 94%
HSV	288°, 12%, 100%
XYZ	84.0292, 81.2102, 105.8226
YIQ	235.5960, 4.6740, 14.4180

Conversions

Conversions Part 2

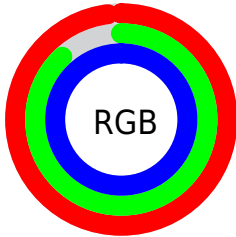
Format	Color
R _Y B	249, 225, 255
Decimal	16376319
CIE Lab	92.23, 13.39, -11.51
CIE LCh	92, 17.662, 319.318
Yxy	81.2102, 0.3100, 0.2996
Android (android.graphics.Color)	4294566399 (0xFFFF9E1FF)
YUV	235.5960, 9.5662, 11.7553
Hunter-Lab	90.1167, 8.7380, -6.5416

Details

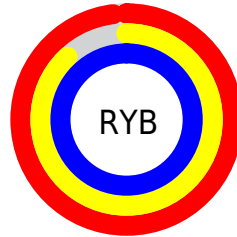
The Yxy color **81.2102, 0.3100, 0.2996** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **93.9257, 0.3150, 0.3595**, and the grayscale version is **83.4775, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.0331, 0.3091, 0.2939** is the 20% darker color. If you saturate the color by 10%, you get **67.5157, 0.3071, 0.2734**, and if you desaturate by 10%, it is **96.9955, 0.3124, 0.3248**.

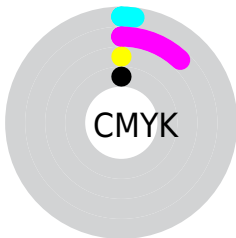
Distribution



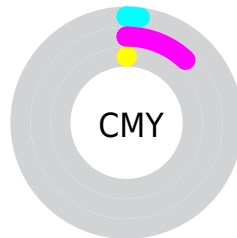
- Red (98%)
- Green (88%)
- Blue (100%)



- Red (98%)
- Yellow (88%)
- Blue (100%)



- Cyan (2%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)





- Cyan (2%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.2102, 0.3100, 0.2996 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 81.2102, 0.3100, 0.2996 by changing the saturation by 10% instead.


 81.2102, 0.3100,
0.2996

 81.2102, 0.3100,
0.2996

499.0020, 0.3114,
0.3126

 60.7147, 0.3097,
0.2967


135.0659, 0.3105,
0.3040

 43.9950, 0.3093,
0.2933


169.1949, 0.3107,
0.3058

 30.6666, 0.3087,
0.2890


208.6372, 0.3108,
0.3073

 20.3451, 0.3080,
0.2835

253.7772, 0.3110,
0.3086

 12.6461, 0.3070,
0.2763

304.9993, 0.3111,
0.3098

 7.1853, 0.3054,
0.2665

362.6878, 0.3112,

 3.5783, 0.3029,

0.3109

0.2521

427.2273, 0.3113,
0.3118

■ 1.4406, 0.2983,
0.2294

■ 0.2463, 0.2977,
0.1307

■ 81.2102, 0.3100,
0.2996

■ 81.2102, 0.3100,
0.2996

■ 67.5157, 0.3071,
0.2734

■ 96.9955, 0.3124,
0.3248

■ 55.8104, 0.3037,
0.2467

99.9977, 0.3127,
0.3290

■ 45.9999, 0.2997,
0.2204

■ 37.9778, 0.2951,
0.1956

■ 31.6275, 0.2902,
0.1733

■ 26.8178, 0.2849,
0.1547

■ 23.3981, 0.2795,
0.1405

■ 21.1871, 0.2741,
0.1309

■ 20.0458, 0.2697,
0.1259

Harmonies

Analogous

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



81.2102, 0.2907, 0.2946



81.2102, 0.3100, 0.2996



81.2102, 0.3306, 0.3117

Triad

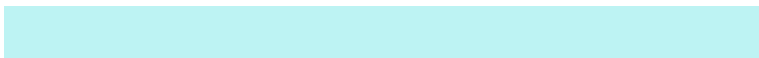
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.2102, 0.3100, 0.2996



81.2102, 0.3488, 0.3593



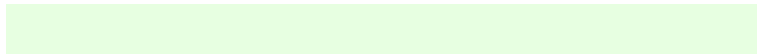
81.2102, 0.2797, 0.3282

Complementary

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



81.2102, 0.3100, 0.2996



93.9257, 0.3150, 0.3595

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.



81.2102, 0.2945, 0.3471



81.2102, 0.3100, 0.2996



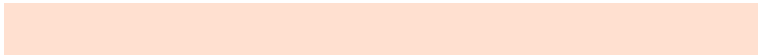
81.2102, 0.3343, 0.3653

Square

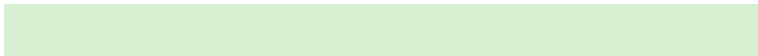
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.2102, 0.3100, 0.2996



81.2102, 0.3534, 0.3456



81.2102, 0.3144, 0.3610



81.2102, 0.2737, 0.3103

Rectangle

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



81.2102, 0.3100, 0.2996



81.2102, 0.3422, 0.3225



81.2102, 0.3144, 0.3610



81.2102, 0.2838, 0.3347

Sweetspot

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



81.2137, 0.3100, 0.2996



93.2787, 0.3119, 0.3192



80.6654, 0.2942, 0.3049



19.7032, 0.3117, 0.3173



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

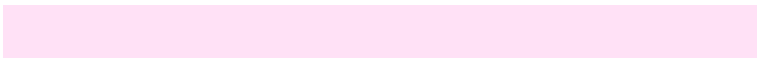
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.2137, 0.3100, 0.2996



77.9696, 0.3094, 0.2938



81.7981, 0.3196, 0.3080



18.1060, 0.3106, 0.3054



10.5422, 0.2706, 0.1264



1.0709, 0.2766, 0.1297

Inverse Universe

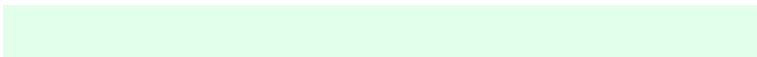
The Inverse Universe completely reimagines the original color for something new.



80.8851, 0.3299, 0.3231



77.5952, 0.3337, 0.3219



93.4201, 0.3065, 0.3509



18.0465, 0.3263, 0.3243



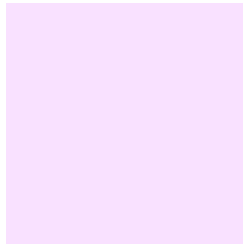
11.2505, 0.6079, 0.3123



1.1101, 0.5782, 0.2959

Previews

White Background



This preview shows how the Yxy color 81.2102, 0.3100, 0.2996 looks on a white background.

Color Contrast Check

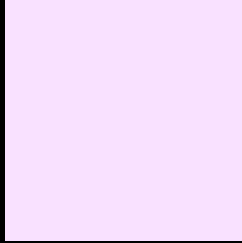
Large Text (above 18pt) WCAG AA × Fail

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 81.2102, 0.3100, 0.2996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

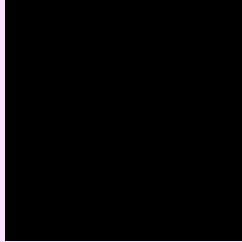
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

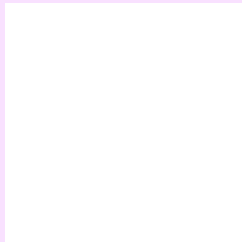
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.2102, 0.3100, 0.2996

Background



This preview shows how black text looks on a background with the Yxy color 81.2102, 0.3100, 0.2996.

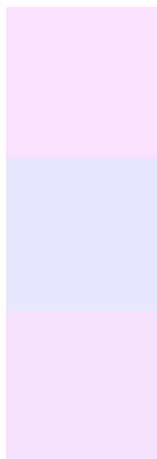


This preview shows how white text looks on a background with the Yxy color 81.2102, 0.3100, 0.2996.

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

81.2102, 0.3100, 0.2996

Protanopia

81.1948, 0.2973, 0.3046

Deuteranopia

81.0252, 0.3073, 0.3003



Tritanopia

81.3049, 0.3149, 0.3111

Trichromacy



Original Color

81.2102, 0.3100, 0.2996

Protanomaly

81.2631, 0.3019, 0.3029

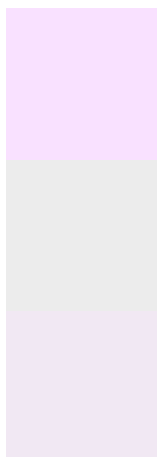
Deuteranomaly

81.2055, 0.3079, 0.3004

Tritanomaly

81.1887, 0.3131, 0.3062

Monochromacy



Original Color

81.2102, 0.3100, 0.2996

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

82.8851, 0.3119, 0.3179

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.2102, 0.3100, 0.2996 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(249, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(249, 225, 255)  
}
```

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(249, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 225, 255) }
```

Border

The CSS property to change the border of an element to Yxy 81.2102, 0.3100, 0.2996 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(249, 225, 255) }
```

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

```
.border{ border-color:rgb(249, 225, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(249, 225,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 81.2102, 0.3100, 0.2996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 225, 255) }
```

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

```
.background{ background-color: rgb(249,  
225, 255) }
```

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