

Converting Colors

$Y_{xy}(80.3136, 0.3060, 0.2966)$

Have a look what the booklet for
Yxy(80.3136, 0.3060, 0.2966)
contains.

Yxy(79.9438, 0.3073, 0.2983)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(79.9438, 0.3073, 0.2983)

Conversions

Conversions Part 1

Format	Color
Hex	F5E0FF
RGB	245, 224, 255
RGB Percent	96%, 88%, 100%
CMY	0.0393, 0.1215, 0.0000
CMYK	0.04, 0.12, 0.00, 0.00
HSL	281°, 100%, 94%
HSV	281°, 12%, 100%
XYZ	82.3558, 79.9438, 105.6984
YIQ	233.8130, 2.5650, 14.0930

Conversions

Conversions Part 2

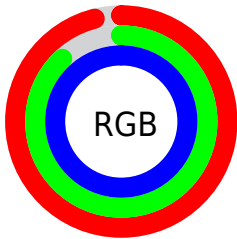
Format	Color
R_{YB}	245, 224, 255
Decimal	16113919
CIE _{Lab}	91.66, 12.62, -12.41
CIE _{LCh}	92, 17.703, 315.489
Yxy	79.9438, 0.3073, 0.2983
Android (android.graphics.Color)	4294303999 (0xFFFF5E0FF)
YUV	233.8130, 10.4452, 9.8110
Hunter-Lab	89.4113, 7.9447, -7.5023

Details

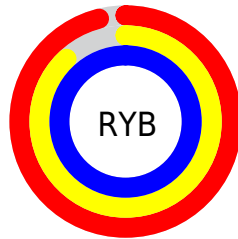
The Yxy color **79.9438, 0.3073, 0.2983** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **94.4010, 0.3175, 0.3604**, and the grayscale version is **82.0490, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.2720, 0.3065, 0.2923** is the 20% darker color. If you saturate the color by 10%, you get **65.8015, 0.3019, 0.2714**, and if you desaturate by 10%, it is **96.2142, 0.3118, 0.3238**.

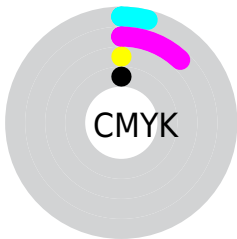
Distribution



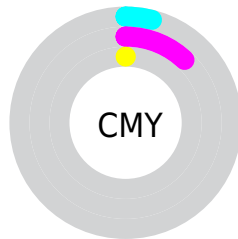
- Red (96%)
- Green (88%)
- Blue (100%)



- Red (96%)
- Yellow (88%)
- Blue (100%)



- Cyan (4%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)





- Cyan (4%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.9438, 0.3073, 0.2983 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 79.9438, 0.3073, 0.2983 by changing the saturation by 10% instead.

 79.9438, 0.3073,
0.2983

 79.9438, 0.3073,
0.2983

494.7434, 0.3099,
0.3120

 59.6721, 0.3067,
0.2953

133.2867, 0.3082,
0.3029

 43.1544, 0.3059,
0.2917


167.1267, 0.3086,
0.3048

 30.0063, 0.3050,
0.2871


206.2583, 0.3089,
0.3064

 19.8434, 0.3037,
0.2814

251.0658, 0.3091,
0.3078

 12.2812, 0.3019,
0.2738

301.9337, 0.3093,
0.3090

 6.9355, 0.2994,
0.2634

359.2463, 0.3095,

 3.4218, 0.2953,

0.3101

0.2481

423.3881, 0.3097,
0.3111

■ 1.3557, 0.2879,
0.2240

■ 0.1837, 0.2778,
0.1057

■ 79.9438, 0.3073,
0.2983

■ 79.9438, 0.3073,
0.2983

■ 65.8015, 0.3019,
0.2714

■ 96.2142, 0.3118,
0.3238

■ 53.6854, 0.2956,
0.2436

100.0000, 0.3127,
0.3290

■ 43.5000, 0.2885,
0.2158

■ 35.1377, 0.2805,
0.1890

■ 28.4805, 0.2720,
0.1644

■ 23.3961, 0.2631,
0.1434

■ 19.7321, 0.2542,
0.1268

■ 17.3043, 0.2456,
0.1152

■ 16.0503, 0.2392,
0.1091

Harmonies

Analogous

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



79.9438, 0.2884, 0.2944



79.9438, 0.3073, 0.2983



79.9438, 0.3282, 0.3097

Triad

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



79.9438, 0.3073, 0.2983



79.9438, 0.3503, 0.3581



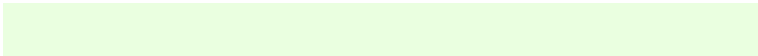
79.9438, 0.2809, 0.3307

Complementary

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



79.9438, 0.3073, 0.2983



94.4010, 0.3175, 0.3604

Split Complementary

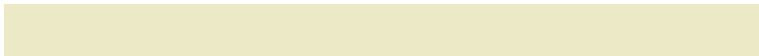
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.9438, 0.2967, 0.3495



79.9438, 0.3073, 0.2983



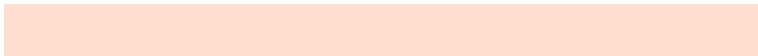
79.9438, 0.3368, 0.3654

Square

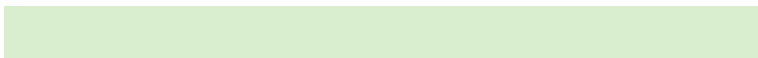
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.9438, 0.3073, 0.2983



79.9438, 0.3535, 0.3436



79.9438, 0.3171, 0.3624



79.9438, 0.2736, 0.3122

Rectangle

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



79.9438, 0.3073, 0.2983



79.9438, 0.3404, 0.3203



79.9438, 0.3171, 0.3624



79.9438, 0.2854, 0.3373

Sweetspot

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



79.9471, 0.3073, 0.2983



93.0435, 0.3111, 0.3192



82.1102, 0.2936, 0.3078



19.6435, 0.3107, 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.



79.9471, 0.3073, 0.2983



75.7056, 0.3059, 0.2908



81.4704, 0.3175, 0.3038



17.9887, 0.3086, 0.3052



8.4707, 0.2405, 0.1099



0.8838, 0.2498, 0.1150

Inverse Universe

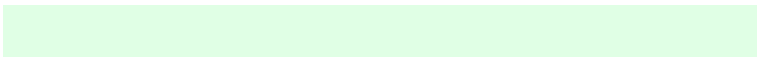
The Inverse Universe completely reimagines the original color for something new.



80.5211, 0.3280, 0.3191



76.4208, 0.3321, 0.3167



93.0365, 0.3083, 0.3555



18.0839, 0.3243, 0.3213



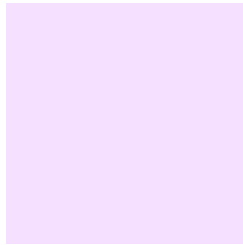
11.4550, 0.5684, 0.2905



1.1344, 0.5365, 0.2729

Previews

White Background



This preview shows how the Yxy color 79.9438, 0.3073, 0.2983 looks on a white background.

Color Contrast Check

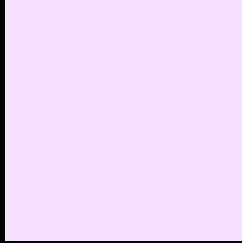
Large Text (above 18pt) WCAG AA × Fail

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 79.9438, 0.3073, 0.2983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

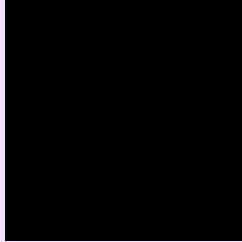
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

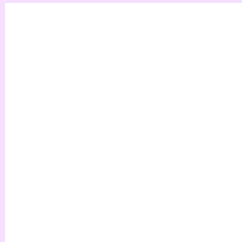
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.9438, 0.3073, 0.2983

Background



This preview shows how black text looks on a background with the Yxy color 79.9438, 0.3073, 0.2983.

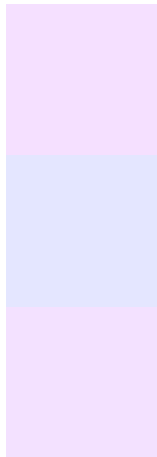


This preview shows how white text looks on a background with the Yxy color 79.9438, 0.3073, 0.2983.

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

79.9438, 0.3073, 0.2983

Protanopia

80.3076, 0.2960, 0.3035

Deuteranopia

80.1251, 0.3059, 0.2992



Tritanopia

79.9791, 0.3129, 0.3109

Trichromacy



Original Color

79.9438, 0.3073, 0.2983

Protanomaly

80.1992, 0.2999, 0.3017

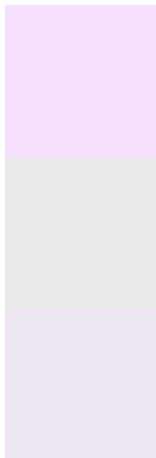
Deuteranomaly

80.3035, 0.3066, 0.2992

Tritanomaly

79.8608, 0.3110, 0.3060

Monochromacy



Original Color

79.9438, 0.3073, 0.2983

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

81.1816, 0.3106, 0.3168

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.9438, 0.3073, 0.2983 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(245, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(245, 224, 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(245, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 224, 255) }
```

Border

The CSS property to change the border of an element to Yxy 79.9438, 0.3073, 0.2983 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(245, 224, 255) }
```

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

```
.border{ border-color:rgb(245, 224, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(245, 224,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 79.9438, 0.3073, 0.2983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 224, 255) }
```

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

```
.background{ background-color: rgb(245,  
224, 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