

Converting Colors

Yxy(81.9232, 0.3102, 0.3041)

Have a look what the booklet for
Yxy(81.9232, 0.3102, 0.3041)
contains.

Yxy(81.7406, 0.3105, 0.3043)	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(81.7406, 0.3105, 0.3043)

Conversions

Conversions Part 1

Format	Color
Hex	F7E3FC
RGB	247, 227, 252
RGB Percent	97%, 89%, 99%
CMY	0.0312, 0.1098, 0.0118
CMYK	0.02, 0.10, 0.00, 0.01
HSL	288°, 81%, 94%
HSV	288°, 10%, 99%
XYZ	83.4060, 81.7406, 103.4718
YIQ	235.8300, 3.8950, 12.0150

Conversions

Conversions Part 2

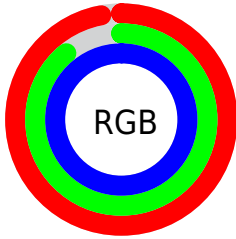
Format	Color
R _Y B	247, 227, 252
Decimal	16245756
CIE Lab	92.46, 11.19, -9.63
CIE LCh	92, 14.764, 319.288
Yxy	81.7406, 0.3105, 0.3043
Android (android.graphics.Color)	4294435836 (0xFFFF7E3FC)
YUV	235.8300, 7.9718, 9.7961
Hunter-Lab	90.4105, 6.4525, -4.5681

Details

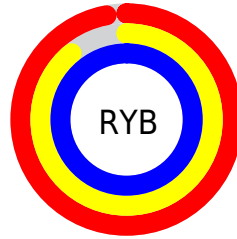
The Yxy color **81.7406, 0.3105, 0.3043** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **92.3115, 0.3146, 0.3545**, and the grayscale version is **83.6847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.5215, 0.3106, 0.3000** is the 20% darker color. If you saturate the color by 10%, you get **68.0572, 0.3078, 0.2782**, and if you desaturate by 10%, it is **97.4727, 0.3127, 0.3292**.

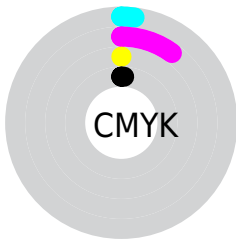
Distribution



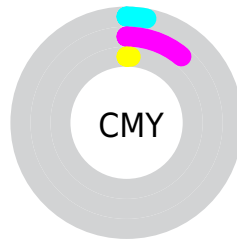
- Red (97%)
- Green (89%)
- Blue (99%)



- Red (97%)
- Yellow (89%)
- Blue (99%)



- Cyan (2%)
- Magenta (10%)
- Yellow (0%)
- Black (1%)




- Cyan (3%)
- Magenta (11%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.7406, 0.3105, 0.3043 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 81.7406, 0.3105, 0.3043 by changing the saturation by 10% instead.

 81.7406, 0.3105,
0.3043

 81.7406, 0.3105,
0.3043

500.7796, 0.3116,
0.3153

 61.1517, 0.3102,
0.3019


135.8102, 0.3109,
0.3080

 44.3476, 0.3099,
0.2990


170.0597, 0.3110,
0.3095

 30.9439, 0.3095,
0.2953


209.6315, 0.3112,
0.3108

 20.5561, 0.3089,
0.2907

254.9101, 0.3113,
0.3119

 12.7999, 0.3081,
0.2845

306.2798, 0.3114,
0.3129

 7.2909, 0.3069,
0.2761

364.1250, 0.3115,

 3.6447, 0.3049,

0.3138

0.2637

428.8302, 0.3115,
0.3146

■ 1.4769, 0.3013,
0.2440

■ 0.2724, 0.2999,
0.1535

■ 81.7406, 0.3105,
0.3043

■ 81.7406, 0.3105,
0.3043

■ 68.0572, 0.3078,
0.2782

■ 97.4727, 0.3127,
0.3292

■ 56.3245, 0.3045,
0.2516

99.8080, 0.3144,
0.3319

■ 46.4522, 0.3006,
0.2252

■ 38.3385, 0.2962,
0.2001

■ 31.8722, 0.2914,
0.1773

■ 26.9287, 0.2862,
0.1580

■ 23.3658, 0.2808,
0.1430

■ 21.0140, 0.2755,
0.1326

■ 19.5972, 0.2703,
0.1263

Harmonies

Analogous

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



81.7406, 0.2943, 0.3002



81.7406, 0.3105, 0.3043



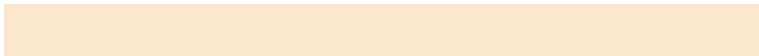
81.7406, 0.3277, 0.3145

Triad

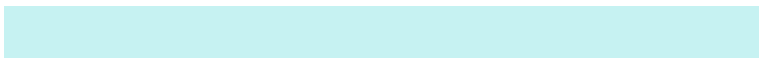
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.7406, 0.3105, 0.3043



81.7406, 0.3428, 0.3544



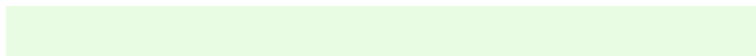
81.7406, 0.2851, 0.3285

Complementary

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



81.7406, 0.3105, 0.3043



92.3115, 0.3146, 0.3545

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.



81.7406, 0.2975, 0.3441



81.7406, 0.3105, 0.3043



81.7406, 0.3308, 0.3592

Square

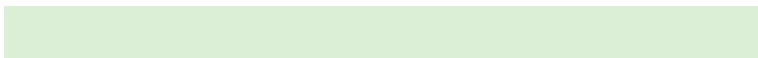
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.7406, 0.3105, 0.3043



81.7406, 0.3466, 0.3430



81.7406, 0.3142, 0.3555



81.7406, 0.2800, 0.3136

Rectangle

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



81.7406, 0.3105, 0.3043



81.7406, 0.3373, 0.3236



81.7406, 0.3142, 0.3555



81.7406, 0.2886, 0.3339

Sweetspot

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



81.7441, 0.3105, 0.3043



94.9292, 0.3121, 0.3217



81.0683, 0.2972, 0.3085



20.0357, 0.3119, 0.3197



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.



81.7441, 0.3105, 0.3043



80.8737, 0.3100, 0.2989



82.1916, 0.3187, 0.3118



17.3405, 0.3106, 0.3054



10.2670, 0.2711, 0.1267



0.9936, 0.2773, 0.1302

Inverse Universe

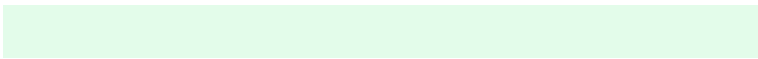
The Inverse Universe completely reimagines the original color for something new.



81.4533, 0.3269, 0.3241



80.5261, 0.3303, 0.3230



91.9168, 0.3072, 0.3469



17.2815, 0.3263, 0.3243



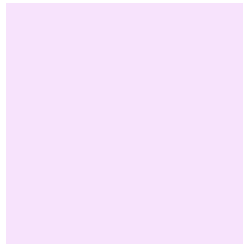
10.9167, 0.6082, 0.3124



1.0253, 0.5769, 0.2952

Previews

White Background



This preview shows how the Yxy color 81.7406, 0.3105, 0.3043 looks on a white background.

Color Contrast Check

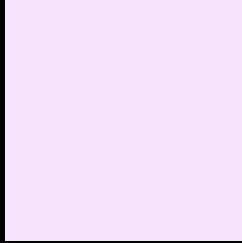
Large Text (above 18pt) WCAG AA × Fail

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 81.7406, 0.3105, 0.3043 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

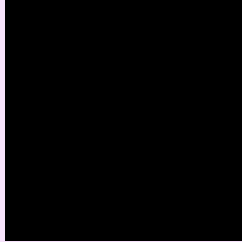
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

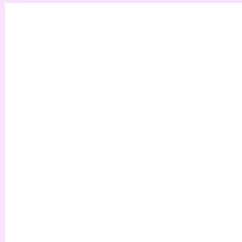
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.7406, 0.3105, 0.3043

Background



This preview shows how black text looks on a background with the Yxy color 81.7406, 0.3105, 0.3043.

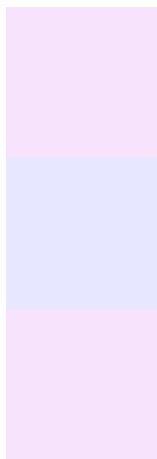


This preview shows how white text looks on a background with the Yxy color 81.7406, 0.3105, 0.3043.

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

81.7406, 0.3105, 0.3043

Protanopia

81.9221, 0.2980, 0.3057

Deuteranopia

81.9229, 0.3111, 0.3044



Tritanopia

81.7335, 0.3136, 0.3111

Trichromacy



Original Color

81.7406, 0.3105, 0.3043

Protanomaly

81.7539, 0.3025, 0.3049

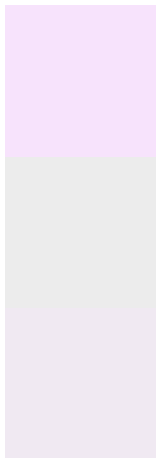
Deuteranomaly

81.9229, 0.3111, 0.3044

Tritanomaly

81.8569, 0.3123, 0.3091

Monochromacy



Original Color

81.7406, 0.3105, 0.3043

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.2139, 0.3118, 0.3199

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.7406, 0.3105, 0.3043 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(247, 227, 252)` looks like.

```
.text, #text, p{  
    color:rgb(247, 227, 252)  
}
```

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(247, 227, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 227, 252) }
```

Border

The CSS property to change the border of an element to Yxy 81.7406, 0.3105, 0.3043 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(247, 227, 252) }
```

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

```
.border{ border-color:rgb(247, 227, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 227, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 227, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 227, 252);  
box-shadow:4px 4px 4px 4px rgb(247, 227,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 81.7406, 0.3105, 0.3043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 227, 252) }
```

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

```
.background{ background-color: rgb(247,  
227, 252) }
```

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