

Converting Colors

Yxy(83.5826, 0.3105, 0.3036)

Have a look what the booklet for
Yxy(83.5826, 0.3105, 0.3036)
contains.

Yxy(83.5826, 0.3105, 0.3036)	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(83.5826, 0.3105, 0.3036)

Conversions

Conversions Part 1

Format	Color
Hex	FAE5FF
RGB	250, 229, 255
RGB Percent	98%, 90%, 100%
CMY	0.0198, 0.1019, 0.0000
CMYK	0.02, 0.10, 0.00, 0.00
HSL	288°, 100%, 95%
HSV	288°, 10%, 100%
XYZ	85.4822, 83.5826, 106.2402
YIQ	238.2430, 4.1700, 12.5380

Conversions

Conversions Part 2

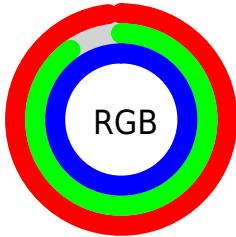
Format	Color
R _Y B	250, 229, 255
Decimal	16442879
CIE Lab	93.27, 11.64, -9.97
CIE LCh	93, 15.332, 319.420
Yxy	83.5826, 0.3105, 0.3036
Android (android.graphics.Color)	4294632959 (0xFFFAE5FF)
YUV	238.2430, 8.2612, 10.3109
Hunter-Lab	91.4235, 6.9087, -4.9025

Details

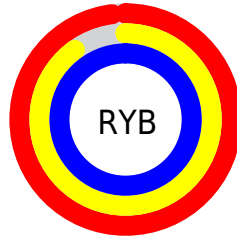
The Yxy color $83.5826, 0.3105, 0.3036$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $94.6816, 0.3146, 0.3552$, and the grayscale version is $85.6286, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $45.6868, 0.3098, 0.2991$ is the 20% darker color. If you saturate the color by 10%, you get $69.5914, 0.3078, 0.2775$, and if you desaturate by 10%, it is $99.6767, 0.3127, 0.3285$.

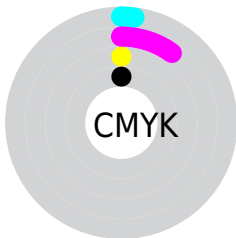
Distribution



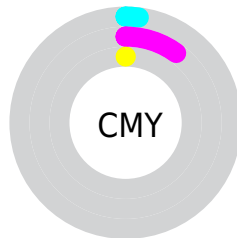
- Red (98%)
- Green (90%)
- Blue (100%)



- Red (98%)
- Yellow (90%)
- Blue (100%)



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




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

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.5826, 0.3105, 0.3036 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 83.5826, 0.3105, 0.3036 by changing the saturation by 10% instead.

 83.5826, 0.3105,
0.3036

 83.5826, 0.3105,
0.3036


506.9261, 0.3116,
0.3149

 62.6709, 0.3102,
0.3011


138.3911, 0.3109,
0.3074

 45.5750, 0.3099,
0.2982


173.0568, 0.3110,
0.3089

 31.9106, 0.3095,
0.2945


213.0758, 0.3112,
0.3102

 21.2932, 0.3089,
0.2898

258.8327, 0.3113,
0.3114

 13.3385, 0.3081,
0.2836

310.7117, 0.3114,
0.3124

 7.6620, 0.3069,
0.2751

369.0974, 0.3115,

 3.8795, 0.3050,

0.3133

0.2628

434.3741, 0.3115,
0.3141

■ 1.6064, 0.3015,
0.2434

■ 0.3619, 0.3010,
0.1734

■ 83.5826, 0.3105,
0.3036

■ 83.5826, 0.3105,
0.3036

■ 69.5914, 0.3078,
0.2775

99.6767, 0.3127,
0.3285

■ 57.6036, 0.3046,
0.2509

100.0000, 0.3127,
0.3290

■ 47.5255, 0.3008,
0.2246

■ 39.2522, 0.2965,
0.1996

■ 32.6687, 0.2918,
0.1770

■ 27.6465, 0.2867,
0.1578

■ 24.0385, 0.2815,
0.1430

■ 21.6690, 0.2763,
0.1328

■ 20.2691, 0.2712,
0.1268

Harmonies

Analogous

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



83.5826, 0.2938, 0.2993



83.5826, 0.3105, 0.3036



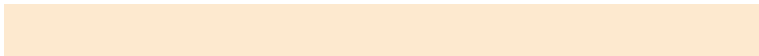
83.5826, 0.3282, 0.3142

Triad

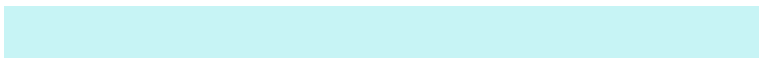
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.5826, 0.3105, 0.3036



83.5826, 0.3437, 0.3552



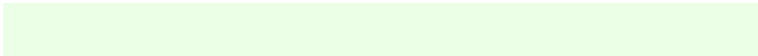
83.5826, 0.2842, 0.3284

Complementary

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



83.5826, 0.3105, 0.3036



94.6816, 0.3146, 0.3552

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.



83.5826, 0.2970, 0.3445



83.5826, 0.3105, 0.3036



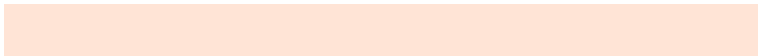
83.5826, 0.3313, 0.3601

Square

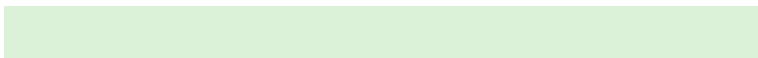
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



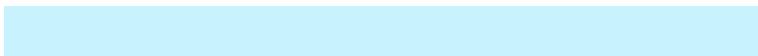
83.5826, 0.3105, 0.3036



83.5826, 0.3477, 0.3435



83.5826, 0.3142, 0.3563



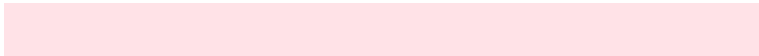
83.5826, 0.2790, 0.3130

Rectangle

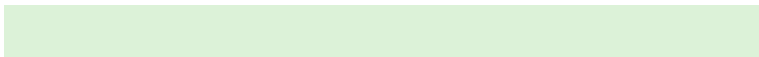
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.5826, 0.3105, 0.3036



83.5826, 0.3381, 0.3235



83.5826, 0.3142, 0.3563



83.5826, 0.2878, 0.3339

Sweetspot

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



83.5857, 0.3105, 0.3036



94.9352, 0.3121, 0.3217



82.8502, 0.2968, 0.3079



20.0374, 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.



83.5857, 0.3105, 0.3036



80.8971, 0.3101, 0.2990



84.0380, 0.3189, 0.3113



18.1117, 0.3107, 0.3054



10.6543, 0.2721, 0.1273



1.0809, 0.2779, 0.1305

Inverse Universe

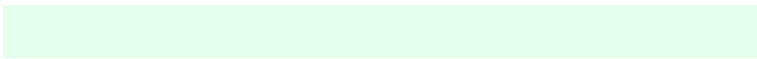
The Inverse Universe completely reimagines the original color for something new.



83.2541, 0.3275, 0.3241



80.5189, 0.3304, 0.3231



94.2849, 0.3071, 0.3474



18.0447, 0.3264, 0.3244



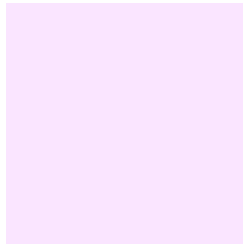
11.2432, 0.6095, 0.3131



1.1091, 0.5800, 0.2969

Previews

White Background



This preview shows how the Yxy color 83.5826, 0.3105, 0.3036 looks on a white background.

Color Contrast Check

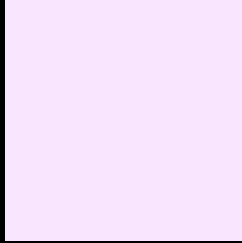
Large Text (above 18pt) WCAG AA × Fail

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 83.5826, 0.3105, 0.3036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

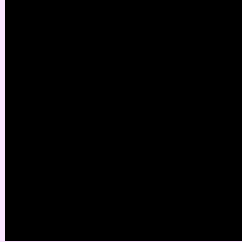
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.5826, 0.3105, 0.3036

Background



This preview shows how black text looks on a background with the Yxy color 83.5826, 0.3105, 0.3036.

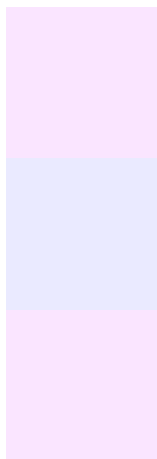


This preview shows how white text looks on a background with the Yxy color 83.5826, 0.3105, 0.3036.

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

83.5826, 0.3105, 0.3036

Protanopia

83.5581, 0.2999, 0.3079

Deuteranopia

83.5826, 0.3105, 0.3036



Tritanopia

83.5107, 0.3142, 0.3113

Trichromacy



Original Color

83.5826, 0.3105, 0.3036

Protanomaly

83.4585, 0.3038, 0.3061

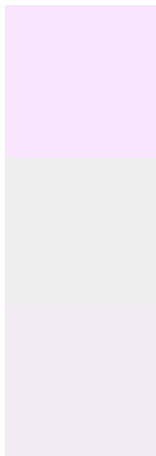
Deuteranomaly

83.5826, 0.3105, 0.3036

Tritanomaly

83.6984, 0.3123, 0.3084

Monochromacy



Original Color

83.5826, 0.3105, 0.3036

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

84.8256, 0.3118, 0.3200

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.5826, 0.3105, 0.3036 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(250, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(250, 229, 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(250, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 229, 255) }
```

Border

The CSS property to change the border of an element to Yxy 83.5826, 0.3105, 0.3036 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(250, 229, 255) }
```

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

```
.border{ border-color:rgb(250, 229, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(250, 229,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 83.5826, 0.3105, 0.3036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 229, 255) }
```

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

```
.background{ background-color: rgb(250,  
229, 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