

Converting Colors

$Y_{xy}(82.7199, 0.3083, 0.3030)$

Have a look what the booklet for
Yxy(82.7199, 0.3083, 0.3030)
contains.

Yxy(83.0328, 0.3085, 0.3034)	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(83.0328, 0.3085, 0.3034)

Conversions

Conversions Part 1

Format	Color
Hex	F7E5FF
RGB	247, 229, 255
RGB Percent	97%, 90%, 100%
CMY	0.0314, 0.1019, 0.0000
CMYK	0.03, 0.10, 0.00, 0.00
HSL	282°, 100%, 95%
HSV	282°, 10%, 100%
XYZ	84.4285, 83.0328, 106.2130
YIQ	237.3460, 2.3820, 11.9020

Conversions

Conversions Part 2

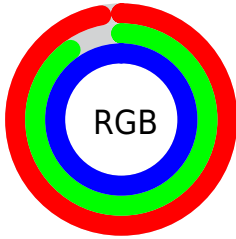
Format	Color
RYB	247, 229, 255
Decimal	16246271
CIELab	93.03, 10.69, -10.37
CIElCh	93, 14.893, 315.864
Yxy	83.0328, 0.3085, 0.3034
Android (android.graphics.Color)	4294436351 (0xFFFF7E5FF)
YUV	237.3460, 8.7034, 8.4666
Hunter-Lab	91.1223, 5.9234, -5.3233

Details

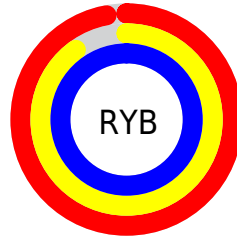
The Yxy color **83.0328, 0.3085, 0.3034** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **95.1845, 0.3165, 0.3551**, and the grayscale version is **84.8984, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.4257, 0.3081, 0.2989** is the 20% darker color. If you saturate the color by 10%, you get **68.5451, 0.3036, 0.2769**, and if you desaturate by 10%, it is **99.6559, 0.3126, 0.3285**.

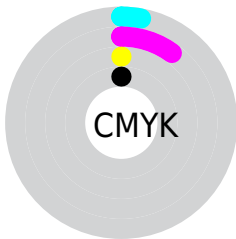
Distribution



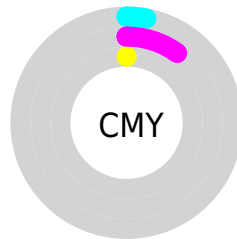
- Red (97%)
- Green (90%)
- Blue (100%)



- Red (97%)
- Yellow (90%)
- Blue (100%)



- Cyan (3%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)





- Cyan (3%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.0328, 0.3085, 0.3034 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 83.0328, 0.3085, 0.3034 by changing the saturation by 10% instead.


 83.0328, 0.3085,
0.3034

 83.0328, 0.3085,
0.3034


505.0958, 0.3105,
0.3148

 62.2172, 0.3080,
0.3009

137.6214, 0.3092,
0.3073

 45.2082, 0.3075,
0.2979


172.1632, 0.3095,
0.3088

 31.6215, 0.3067,
0.2941

212.0492, 0.3097,
0.3101

 21.0725, 0.3058,
0.2894

257.6638, 0.3099,
0.3113

 13.1770, 0.3045,
0.2831

309.3913, 0.3101,
0.3123

 7.5506, 0.3025,
0.2745

367.6163, 0.3102,

 3.8087, 0.2995,

0.3132

0.2620

432.7230, 0.3104,
0.3140

■ 1.5672, 0.2942,
0.2421

■ 0.3353, 0.2883,
0.1668

■ 83.0328, 0.3085,
0.3034

■ 83.0328, 0.3085,
0.3034

■ 68.5451, 0.3036,
0.2769

99.6559, 0.3126,
0.3285

■ 56.0981, 0.2978,
0.2493

100.0000, 0.3127,
0.3290

■ 45.5958, 0.2912,
0.2216

■ 36.9327, 0.2838,
0.1947

■ 29.9933, 0.2758,
0.1699

■ 24.6484, 0.2674,
0.1484

■ 20.7503, 0.2589,
0.1312

■ 18.1228, 0.2506,
0.1189

■ 16.5006, 0.2429,
0.1112

Harmonies

Analogous

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



83.0328, 0.2927, 0.3001



83.0328, 0.3085, 0.3034



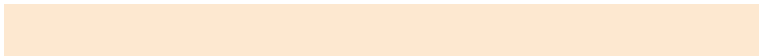
83.0328, 0.3259, 0.3131

Triad

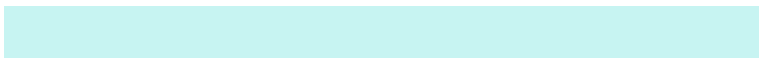
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.0328, 0.3085, 0.3034



83.0328, 0.3438, 0.3534



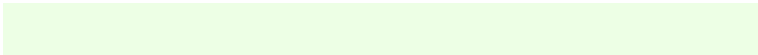
83.0328, 0.2861, 0.3303

Complementary

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



83.0328, 0.3085, 0.3034



95.1845, 0.3165, 0.3551

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.



83.0328, 0.2992, 0.3457



83.0328, 0.3085, 0.3034



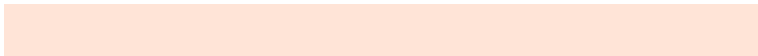
83.0328, 0.3326, 0.3591

Square

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



83.0328, 0.3085, 0.3034



83.0328, 0.3466, 0.3415



83.0328, 0.3162, 0.3564



83.0328, 0.2800, 0.3150

Rectangle

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



83.0328, 0.3085, 0.3034



83.0328, 0.3359, 0.3220



83.0328, 0.3162, 0.3564



83.0328, 0.2898, 0.3357

Sweetspot

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



83.0341, 0.3085, 0.3034



94.7715, 0.3116, 0.3217



84.5846, 0.2968, 0.3110



19.9931, 0.3112, 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.



83.0341, 0.3085, 0.3034



80.2621, 0.3077, 0.2987



84.2184, 0.3169, 0.3084



18.0031, 0.3088, 0.3052



8.7043, 0.2441, 0.1119



0.9052, 0.2531, 0.1168

Inverse Universe

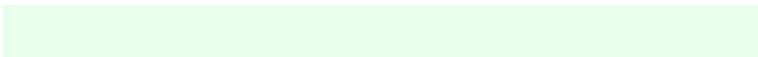
The Inverse Universe completely reimagines the original color for something new.



83.4169, 0.3255, 0.3212



80.7172, 0.3281, 0.3197



94.1063, 0.3088, 0.3505



18.0792, 0.3246, 0.3217



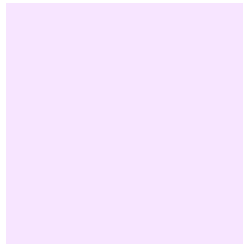
11.4238, 0.5740, 0.2936



1.1309, 0.5420, 0.2759

Previews

White Background



This preview shows how the Yxy color 83.0328, 0.3085, 0.3034 looks on a white background.

Color Contrast Check

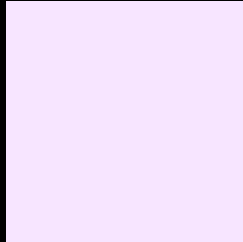
Large Text (above 18pt) WCAG AA × Fail

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 83.0328, 0.3085, 0.3034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

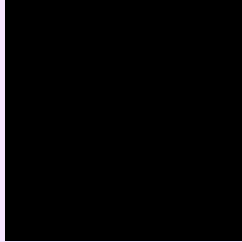
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

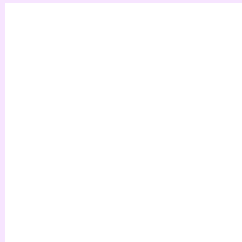
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.0328, 0.3085, 0.3034

Background



This preview shows how black text looks on a background with the Yxy color 83.0328, 0.3085, 0.3034.

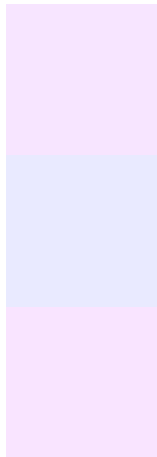


This preview shows how white text looks on a background with the Yxy color 83.0328, 0.3085, 0.3034.

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

83.0328, 0.3085, 0.3034

Protanopia

83.3893, 0.2993, 0.3078

Deuteranopia

82.8465, 0.3099, 0.3025



Tritanopia

82.9638, 0.3122, 0.3111

Trichromacy



Original Color

83.0328, 0.3085, 0.3034

Protanomaly

83.1104, 0.3025, 0.3060

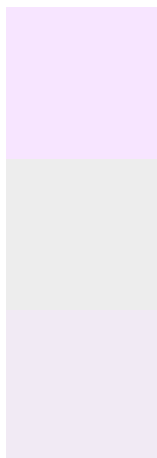
Deuteranomaly

82.6633, 0.3092, 0.3025

Tritanomaly

83.1515, 0.3103, 0.3082

Monochromacy



Original Color

83.0328, 0.3085, 0.3034

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.0781, 0.3112, 0.3190

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.0328, 0.3085, 0.3034 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, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(247, 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(247, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 229, 255) }
```

Border

The CSS property to change the border of an element to Yxy 83.0328, 0.3085, 0.3034 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, 229, 255) }
```

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

```
.border{ border-color:rgb(247, 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(247, 229, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(247, 229,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 83.0328, 0.3085, 0.3034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 229, 255) }
```

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

```
.background{ background-color: rgb(247,  
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