

Converting Colors

$Yxy(83.6876, 0.3099, 0.3040)$

Have a look what the booklet for
Yxy(83.6876, 0.3099, 0.3040)
contains.

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Color

Yxy(83.3984, 0.3099, 0.3035)

Conversions

Conversions Part 1

Format	Color
Hex	F9E5FF
RGB	249, 229, 255
RGB Percent	98%, 90%, 100%
CMY	0.0233, 0.1020, 0.0000
CMYK	0.02, 0.10, 0.00, 0.00
HSL	286°, 100%, 95%
HSV	286°, 10%, 100%
XYZ	85.1570, 83.3984, 106.2333
YIQ	237.9440, 3.5740, 12.3260

Conversions

Conversions Part 2

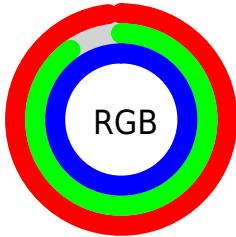
Format	Color
R _Y B	249, 229, 255
Decimal	16377343
CIE _{Lab}	93.19, 11.38, -10.11
CIE _{LCh}	93, 15.220, 318.383
Yxy	83.3984, 0.3099, 0.3035
Android (android.graphics.Color)	4294567423 (0xFFFF9E5FF)
YUV	237.9440, 8.4086, 9.6961
Hunter-Lab	91.3227, 6.6338, -5.0446

Details

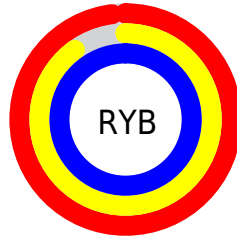
The Yxy color **83.3984, 0.3099, 0.3035** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **94.8228, 0.3152, 0.3552**, and the grayscale version is **85.3933, 0.3127, 0.3290**.

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 **69.2602, 0.3066, 0.2773**, and if you desaturate by 10%, it is **99.6466, 0.3127, 0.3285**.

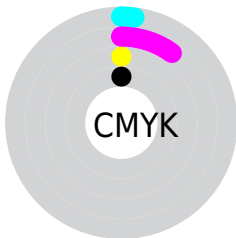
Distribution



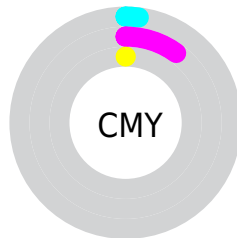
- Red (98%)
- Green (90%)
- Blue (100%)



- 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 83.3984, 0.3099, 0.3035 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 83.3984, 0.3099, 0.3035 by changing the saturation by 10% instead.


 83.3984, 0.3099,
0.3035

 83.3984, 0.3099,
0.3035


506.3133, 0.3113,
0.3148

 62.5189, 0.3096,
0.3010


138.1333, 0.3104,
0.3073

 45.4521, 0.3092,
0.2980


172.7575, 0.3106,
0.3088

 31.8137, 0.3087,
0.2943


212.7320, 0.3107,
0.3102

 21.2192, 0.3080,
0.2896

258.4412, 0.3109,
0.3113

 13.2843, 0.3070,
0.2834

310.2696, 0.3110,
0.3123

 7.6246, 0.3056,
0.2749

368.6014, 0.3111,

 3.8557, 0.3034,

0.3133

0.2625

433.8212, 0.3112,
0.3141

■ 1.5932, 0.2993,
0.2428

■ 0.3530, 0.2973,
0.1711

■ 83.3984, 0.3099,
0.3035

■ 83.3984, 0.3099,
0.3035

■ 69.2602, 0.3066,
0.2773

99.6466, 0.3127,
0.3285

■ 57.1350, 0.3026,
0.2504

100.0000, 0.3127,
0.3290

■ 46.9282, 0.2980,
0.2237

■ 38.5347, 0.2927,
0.1981

■ 31.8393, 0.2870,
0.1748

■ 26.7135, 0.2810,
0.1550

■ 23.0099, 0.2748,
0.1394

■ 20.5528, 0.2686,
0.1286

■ 19.0758, 0.2627,
0.1221

Harmonies

Analogous

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



83.3984, 0.2935, 0.2995



83.3984, 0.3099, 0.3035



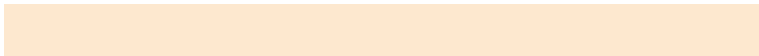
83.3984, 0.3275, 0.3138

Triad

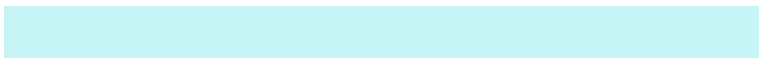
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.3984, 0.3099, 0.3035



83.3984, 0.3438, 0.3547



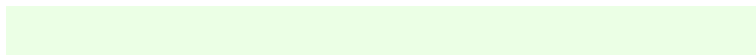
83.3984, 0.2848, 0.3290

Complementary

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



83.3984, 0.3099, 0.3035



94.8228, 0.3152, 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.



83.3984, 0.2976, 0.3449



83.3984, 0.3099, 0.3035



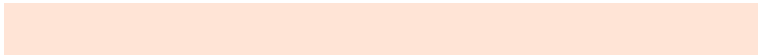
83.3984, 0.3317, 0.3599

Square

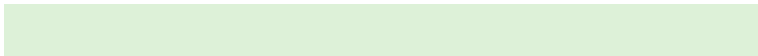
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.3984, 0.3099, 0.3035



83.3984, 0.3474, 0.3429



83.3984, 0.3148, 0.3564



83.3984, 0.2793, 0.3136

Rectangle

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



83.3984, 0.3099, 0.3035



83.3984, 0.3375, 0.3231



83.3984, 0.3148, 0.3564



83.3984, 0.2883, 0.3345

Sweetspot

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



83.4006, 0.3099, 0.3035



94.8867, 0.3120, 0.3217



83.3211, 0.2967, 0.3087



20.0242, 0.3117, 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.



83.4006, 0.3099, 0.3035



80.7080, 0.3094, 0.2989



84.0690, 0.3183, 0.3104



18.0794, 0.3101, 0.3053



10.0377, 0.2637, 0.1226



1.0259, 0.2705, 0.1264

Inverse Universe

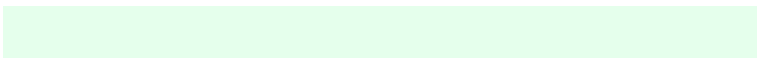
The Inverse Universe completely reimagines the original color for something new.



83.2808, 0.3269, 0.3232



80.5772, 0.3297, 0.3221



94.2262, 0.3075, 0.3483



18.0549, 0.3258, 0.3236



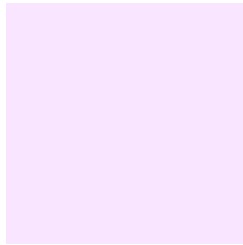
11.2875, 0.6002, 0.3080



1.1148, 0.5694, 0.2910

Previews

White Background



This preview shows how the Yxy color 83.3984, 0.3099, 0.3035 looks on a white background.

Color Contrast Check

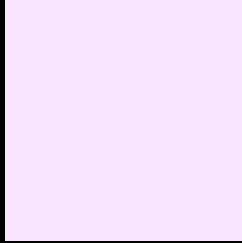
Large Text (above 18pt) WCAG AA × Fail

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 83.3984, 0.3099, 0.3035 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

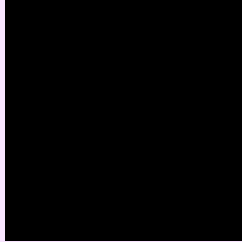
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

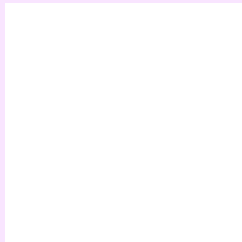
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.3984, 0.3099, 0.3035

Background



This preview shows how black text looks on a background with the Yxy color 83.3984, 0.3099, 0.3035.

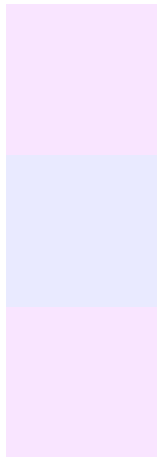


This preview shows how white text looks on a background with the Yxy color 83.3984, 0.3099, 0.3035.

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

83.3984, 0.3099, 0.3035

Protanopia

83.3893, 0.2993, 0.3078

Deuteranopia

83.3984, 0.3099, 0.3035



Tritanopia

83.3274, 0.3136, 0.3112

Trichromacy



Original Color

83.3984, 0.3099, 0.3035

Protanomaly

83.2839, 0.3032, 0.3061

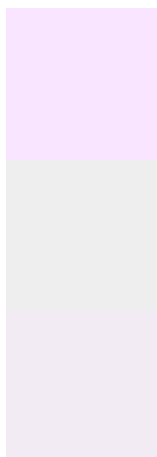
Deuteranomaly

83.3984, 0.3099, 0.3035

Tritanomaly

83.5151, 0.3117, 0.3083

Monochromacy



Original Color

83.3984, 0.3099, 0.3035

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 83.3984, 0.3099, 0.3035 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, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(249, 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(249, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 229, 255) }
```

Border

The CSS property to change the border of an element to Yxy 83.3984, 0.3099, 0.3035 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, 229, 255) }
```

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

```
.border{ border-color:rgb(249, 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(249, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(249, 229,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 83.3984, 0.3099, 0.3035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 229, 255) }
```

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

```
.background{ background-color: rgb(249,  
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](#).

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