

Converting Colors

$Yxy(83.6989, 0.3122, 0.3168)$

Have a look what the booklet for
Yxy(83.6989, 0.3122, 0.3168)
contains.

Yxy(83.9251, 0.3119, 0.3170)	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(83.9251, 0.3119, 0.3170)

Conversions

Conversions Part 1

Format	Color
Hex	F3E9F5
RGB	243, 233, 245
RGB Percent	95%, 91%, 96%
CMY	0.0472, 0.0862, 0.0391
CMYK	0.01, 0.05, 0.00, 0.04
HSL	290°, 38%, 94%
HSV	290°, 5%, 96%
XYZ	82.5749, 83.9251, 98.2480
YIQ	237.3580, 2.1080, 5.8520

Conversions

Conversions Part 2

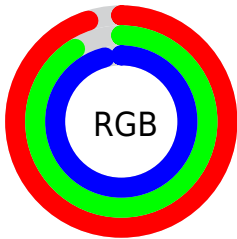
Format	Color
R _Y B	243, 233, 245
Decimal	15985141
CIE Lab	93.42, 5.47, -4.61
CIE LCh	93, 7.153, 319.850
Yxy	83.9251, 0.3119, 0.3170
Android (android.graphics.Color)	4294175221 (0xFF3E9F5)
YUV	237.3580, 3.7675, 4.9480
Hunter-Lab	91.6106, 0.5755, 0.5418

Details

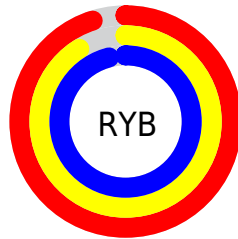
The Yxy color **83.9251, 0.3119, 0.3170** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **88.8756, 0.3135, 0.3412**, and the grayscale version is **84.9470, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.6832, 0.3117, 0.3136** is the 20% darker color. If you saturate the color by 10%, you get **70.2663, 0.3099, 0.2916**, and if you desaturate by 10%, it is **97.9173, 0.3136, 0.3387**.

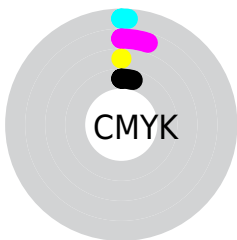
Distribution



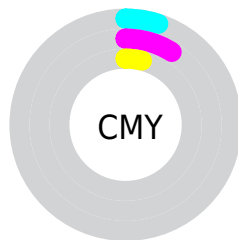
- Red (95%)
- Green (91%)
- Blue (96%)



- Red (95%)
- Yellow (91%)
- Blue (96%)



- Cyan (1%)
- Magenta (5%)
- Yellow (0%)
- Black (4%)





- Cyan (5%)
- Magenta (9%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.9251, 0.3119, 0.3170 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 83.9251, 0.3119, 0.3170 by changing the saturation by 10% instead.

 83.9251, 0.3119,
0.3170

 83.9251, 0.3119,
0.3170

508.0645, 0.3123,
0.3224

 62.9536, 0.3118,
0.3158


138.8704, 0.3120,
0.3188

 45.8037, 0.3117,
0.3144


173.6130, 0.3121,
0.3196

 32.0909, 0.3115,
0.3126


213.7147, 0.3121,
0.3202

 21.4310, 0.3114,
0.3103

259.5600, 0.3122,
0.3207

 13.4394, 0.3111,
0.3072

311.5332, 0.3122,
0.3212

 7.7318, 0.3107,
0.3029

370.0188, 0.3122,

 3.9238, 0.3100,

0.3216

0.2966

435.4011, 0.3123,
0.3220

■ 1.6310, 0.3089,
0.2863

■ 0.3784, 0.3071,
0.2356

■ 83.9251, 0.3119,
0.3170

■ 83.9251, 0.3119,
0.3170

■ 70.2663, 0.3099,
0.2916

■ 97.9173, 0.3136,
0.3387

■ 58.4681, 0.3075,
0.2654

■ 98.6899, 0.3162,
0.3386

■ 48.4497, 0.3045,
0.2391

■ 99.3738, 0.3185,
0.3386

■ 40.1201, 0.3011,
0.2136

■ 33.3802, 0.2973,
0.1900

■ 28.1204, 0.2930,
0.1694

■ 24.2173, 0.2886,
0.1526

■ 21.5272, 0.2840,
0.1404

■ 19.8734, 0.2794,
0.1327

Harmonies

Analogous

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



83.9251, 0.3040, 0.3150



83.9251, 0.3119, 0.3170



83.9251, 0.3201, 0.3221

Triad

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



83.9251, 0.3119, 0.3170



83.9251, 0.3271, 0.3414



83.9251, 0.2993, 0.3288

Complementary

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



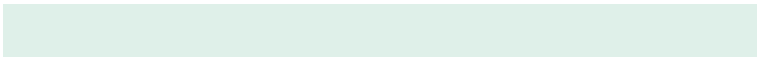
83.9251, 0.3119, 0.3170



88.8756, 0.3135, 0.3412

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.



83.9251, 0.3053, 0.3361



83.9251, 0.3119, 0.3170



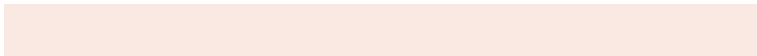
83.9251, 0.3213, 0.3434

Square

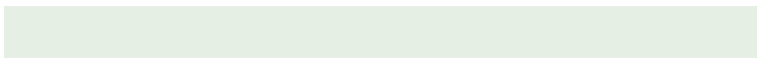
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.9251, 0.3119, 0.3170



83.9251, 0.3289, 0.3361



83.9251, 0.3134, 0.3414



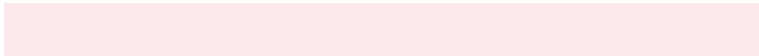
83.9251, 0.2968, 0.3216

Rectangle

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



83.9251, 0.3119, 0.3170



83.9251, 0.3246, 0.3266



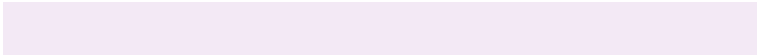
83.9251, 0.3134, 0.3414



83.9251, 0.3010, 0.3313

Sweetspot

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



83.9287, 0.3119, 0.3170



98.3010, 0.3126, 0.3266



83.4609, 0.3053, 0.3190



21.0584, 0.3126, 0.3267



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

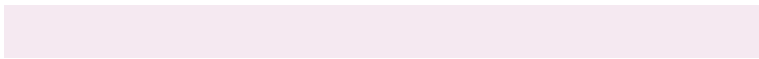
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9287, 0.3119, 0.3170



90.1298, 0.3117, 0.3142



84.0668, 0.3157, 0.3208



17.4719, 0.3116, 0.3127



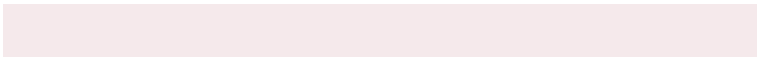
10.4465, 0.2779, 0.1304



0.9552, 0.2836, 0.1336

Inverse Universe

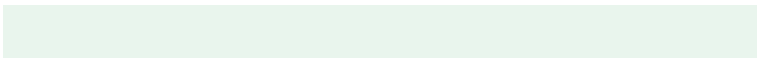
The Inverse Universe completely reimagines the original color for something new.



83.7052, 0.3196, 0.3270



89.8338, 0.3212, 0.3265



88.7470, 0.3099, 0.3373



17.4083, 0.3222, 0.3262



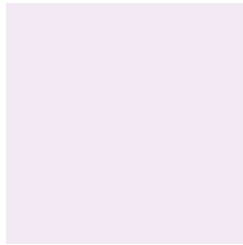
10.5616, 0.6147, 0.3160



0.9412, 0.5830, 0.2985

Previews

White Background



This preview shows how the Yxy color 83.9251, 0.3119, 0.3170 looks on a white background.

Color Contrast Check

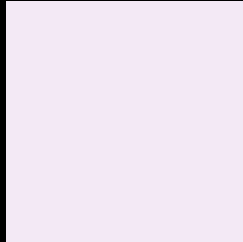
Large Text (above 18pt) WCAG AA × Fail

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 83.9251, 0.3119, 0.3170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

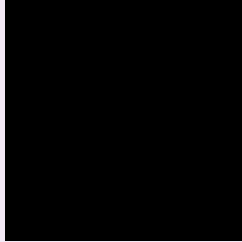
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

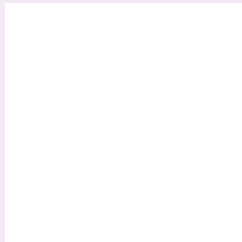
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.9251, 0.3119, 0.3170

Background



This preview shows how black text looks on a background with the Yxy color 83.9251, 0.3119, 0.3170.

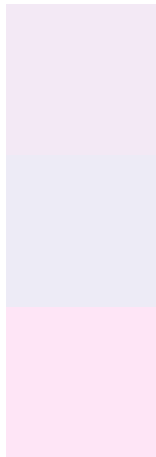


This preview shows how white text looks on a background with the Yxy color 83.9251, 0.3119, 0.3170.

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

83.9251, 0.3119, 0.3170

Protanopia

84.0750, 0.3073, 0.3179

Deuteranopia

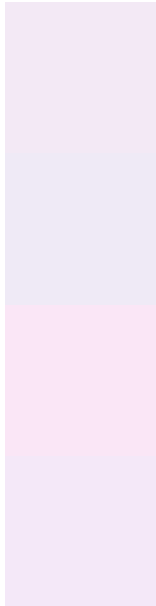
83.7633, 0.3190, 0.3124



Tritanopia

83.8484, 0.3095, 0.3111

Trichromacy



Original Color

83.9251, 0.3119, 0.3170

Protanomaly

83.8502, 0.3086, 0.3169

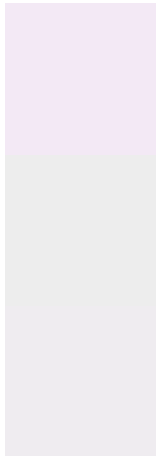
Deuteranomaly

83.5714, 0.3162, 0.3132

Tritanomaly

83.7236, 0.3108, 0.3131

Monochromacy



Original Color

83.9251, 0.3119, 0.3170

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.6329, 0.3122, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.9251, 0.3119, 0.3170 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(243, 233, 245)` looks like.

```
.text, #text, p{  
    color:rgb(243, 233, 245)  
}
```

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(243, 233, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 233, 245) }
```

Border

The CSS property to change the border of an element to Yxy 83.9251, 0.3119, 0.3170 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(243, 233, 245) }
```

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

```
.border{ border-color:rgb(243, 233, 245) }
```

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

Here you see how a box with a 4 pixel rgb(243, 233, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 233, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 233, 245);  
box-shadow:4px 4px 4px 4px rgb(243, 233,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 83.9251, 0.3119, 0.3170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 233, 245) }
```

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

```
.background{ background-color: rgb(243,  
233, 245) }
```

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