

Converting Colors

$Yxy(83.2935, 0.3086, 0.3141)$

Have a look what the booklet for
Yxy(83.2935, 0.3086, 0.3141)
contains.

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Color

Yxy(83.5185, 0.3087, 0.3149)

Conversions

Conversions Part 1

Format	Color
Hex	F0E9F7
RGB	240, 233, 247
RGB Percent	94%, 91%, 97%
CMY	0.0587, 0.0863, 0.0312
CMYK	0.03, 0.06, 0.00, 0.03
HSL	270°, 47%, 94%
HSV	270°, 6%, 97%
XYZ	81.8741, 83.5185, 99.8297
YIQ	236.6890, -0.3220, 5.8380

Conversions

Conversions Part 2

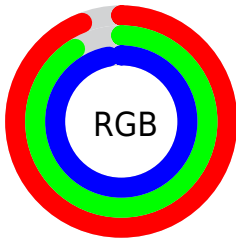
Format	Color
R _Y B	240, 233, 247
Decimal	15788535
CIE Lab	93.24, 4.88, -5.95
CIE LCh	93, 7.693, 309.345
Yxy	83.5185, 0.3087, 0.3149
Android (android.graphics.Color)	4293978615 (0xFFFF0E9F7)
YUV	236.6890, 5.0833, 2.9037
Hunter-Lab	91.3885, -0.0132, -0.7945

Details

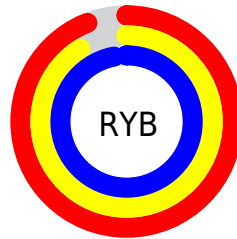
The Yxy color **83.5185, 0.3087, 0.3149** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **90.9520, 0.3166, 0.3431**, and the grayscale version is **84.4034, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.3962, 0.3075, 0.3110** is the 20% darker color. If you saturate the color by 10%, you get **68.4164, 0.3007, 0.2884**, and if you desaturate by 10%, it is **98.9995, 0.3157, 0.3367**.

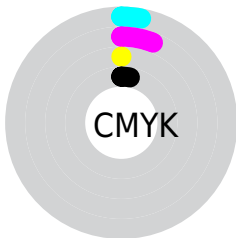
Distribution



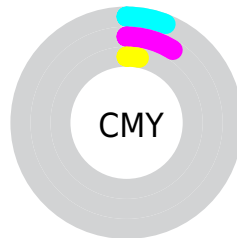
- Red (94%)
- Green (91%)
- Blue (97%)



- Red (94%)
- Yellow (91%)
- Blue (97%)



- Cyan (3%)
- Magenta (6%)
- Yellow (0%)
- Black (3%)





- Cyan (6%)
- Magenta (9%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.5185, 0.3087, 0.3149 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 83.5185, 0.3087, 0.3149 by changing the saturation by 10% instead.


 83.5185, 0.3087,
0.3149

 83.5185, 0.3087,
0.3149


506.7129, 0.3105,
0.3212

 62.6180, 0.3083,
0.3135


138.3014, 0.3093,
0.3171

 45.5322, 0.3078,
0.3118


172.9526, 0.3096,
0.3179

 31.8768, 0.3071,
0.3097


212.9562, 0.3098,
0.3186

 21.2675, 0.3063,
0.3070


258.6965, 0.3100,
0.3193

 13.3196, 0.3052,
0.3034

310.5579, 0.3101,
0.3199

 7.6490, 0.3036,
0.2984

368.9248, 0.3103,

 3.8712, 0.3011,

0.3204

0.2909

434.1817, 0.3104,
0.3208

■ 1.6018, 0.2970,
0.2788

■ 0.3588, 0.2830,
0.2207

■ 83.5185, 0.3087,
0.3149

■ 83.5185, 0.3087,
0.3149

■ 68.4164, 0.3007,
0.2884

■ 98.9995, 0.3157,
0.3367

■ 55.3315, 0.2913,
0.2601

■ 99.4977, 0.3173,
0.3366

■ 44.1776, 0.2807,
0.2304

■ 34.8586, 0.2689,
0.2004

■ 27.2695, 0.2561,
0.1713

■ 21.2944, 0.2428,
0.1446

■ 16.8025, 0.2295,
0.1217

■ 13.6418, 0.2168,
0.1039

■ 11.6247, 0.2054,
0.0919

Harmonies

Analogous

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



83.5185, 0.3009, 0.3141



83.5185, 0.3087, 0.3149



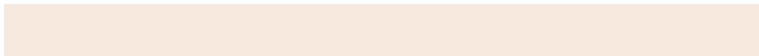
83.5185, 0.3177, 0.3194

Triad

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



83.5185, 0.3087, 0.3149



83.5185, 0.3294, 0.3406



83.5185, 0.3002, 0.3316

Complementary

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



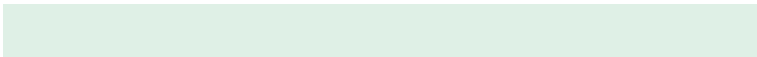
83.5185, 0.3087, 0.3149



90.9520, 0.3166, 0.3431

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.



83.5185, 0.3076, 0.3390



83.5185, 0.3087, 0.3149



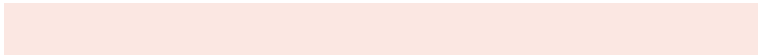
83.5185, 0.3245, 0.3442

Square

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



83.5185, 0.3087, 0.3149



83.5185, 0.3297, 0.3341



83.5185, 0.3166, 0.3436



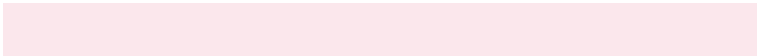
83.5185, 0.2960, 0.3236

Rectangle

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



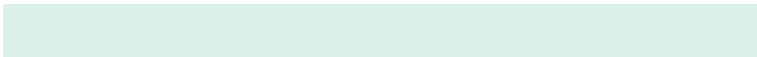
83.5185, 0.3087, 0.3149



83.5185, 0.3231, 0.3238



83.5185, 0.3166, 0.3436



83.5185, 0.3024, 0.3342

Sweetspot

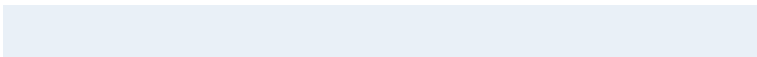
The Sweet Spot groups the original color and five complimentary colors.



83.5221, 0.3087, 0.3149



96.3097, 0.3113, 0.3241



86.3691, 0.3040, 0.3219



20.6529, 0.3114, 0.3244



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.



83.5221, 0.3087, 0.3149



87.4852, 0.3077, 0.3115



84.7724, 0.3134, 0.3151



16.9557, 0.3073, 0.3100



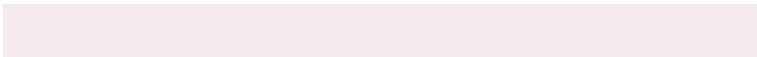
5.8932, 0.2025, 0.0889



0.5791, 0.2160, 0.0963

Inverse Universe

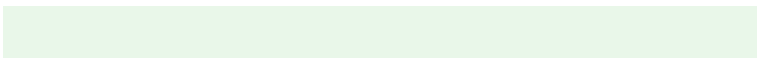
The Inverse Universe completely reimagines the original color for something new.



84.3459, 0.3178, 0.3220



88.5725, 0.3191, 0.3204



89.7493, 0.3120, 0.3433



17.1858, 0.3196, 0.3197



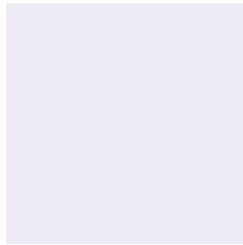
11.2460, 0.4965, 0.2509



1.0092, 0.4686, 0.2355

Previews

White Background



This preview shows how the Yxy color 83.5185, 0.3087, 0.3149 looks on a white background.

Color Contrast Check

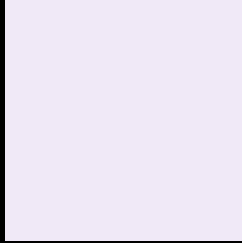
Large Text (above 18pt) WCAG AA × Fail

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 83.5185, 0.3087, 0.3149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

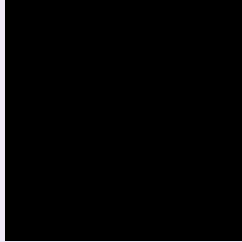
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

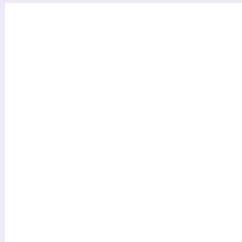
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.5185, 0.3087, 0.3149

Background



This preview shows how black text looks on a background with the Yxy color 83.5185, 0.3087, 0.3149.

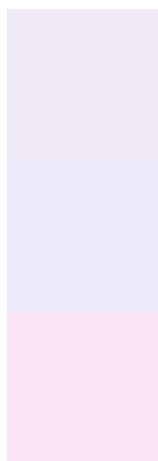


This preview shows how white text looks on a background with the Yxy color 83.5185, 0.3087, 0.3149.

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

83.5185, 0.3087, 0.3149

Protanopia

83.4558, 0.3054, 0.3149

Deuteranopia

83.6986, 0.3170, 0.3104



Tritanopia

83.3790, 0.3069, 0.3100

Trichromacy



Original Color

83.5185, 0.3087, 0.3149

Protanomaly

83.6275, 0.3061, 0.3149

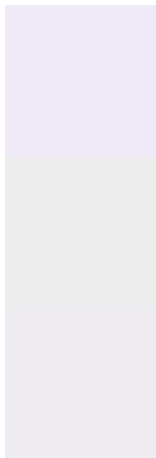
Deuteranomaly

83.3274, 0.3136, 0.3112

Tritanomaly

83.3161, 0.3075, 0.3110

Monochromacy



Original Color

83.5185, 0.3087, 0.3149

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.5189, 0.3110, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.5185, 0.3087, 0.3149 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(240, 233, 247)` looks like.

```
.text, #text, p{  
    color:rgb(240, 233, 247)  
}
```

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(240, 233, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 233, 247) }
```

Border

The CSS property to change the border of an element to Yxy 83.5185, 0.3087, 0.3149 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(240, 233, 247) }
```

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

```
.border{ border-color:rgb(240, 233, 247) }
```

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

Here you see how a box with a 4 pixel rgb(240, 233, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 233, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 233, 247);  
box-shadow:4px 4px 4px 4px rgb(240, 233,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 83.5185, 0.3087, 0.3149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 233, 247) }
```

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

```
.background{ background-color: rgb(240,  
233, 247) }
```

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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