

Converting Colors

$Y_{xy}(84.8592, 0.3185, 0.3187)$

Have a look what the booklet for
Yxy(84.8592, 0.3185, 0.3187)
contains.

Yxy(84.6935, 0.3186, 0.3182)	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(84.6935, 0.3186, 0.3182)

Conversions

Conversions Part 1

Format	Color
Hex	FBE8F3
RGB	251, 232, 243
RGB Percent	98%, 91%, 95%
CMY	0.0159, 0.0901, 0.0471
CMYK	0.00, 0.08, 0.03, 0.02
HSL	325°, 70%, 95%
HSV	325°, 8%, 98%
XYZ	84.8000, 84.6935, 96.6709
YIQ	238.9350, 7.7930, 7.4490

Conversions

Conversions Part 2

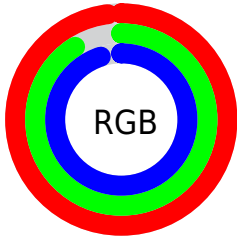
Format	Color
R_{YB}	251, 232, 243
Decimal	16509171
CIE _{Lab}	93.75, 8.28, -3.00
CIE _{LCh}	94, 8.806, 340.091
Yxy	84.6935, 0.3186, 0.3182
Android (android.graphics.Color)	4294699251 (0xFFFB E8F3)
YUV	238.9350, 2.0040, 10.5810
Hunter-Lab	92.0291, 3.4275, 2.1398

Details

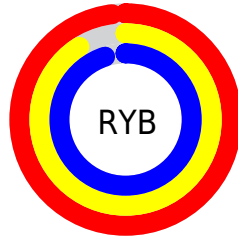
The Yxy color **84.6935, 0.3186, 0.3182** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **92.4033, 0.3072, 0.3400**, and the grayscale version is **86.2396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.1079, 0.3195, 0.3152** is the 20% darker color. If you saturate the color by 10%, you get **70.9439, 0.3278, 0.3032**, and if you desaturate by 10%, it is **99.1429, 0.3110, 0.3304**.

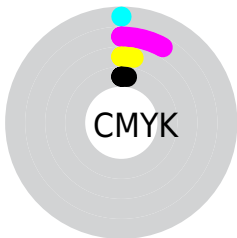
Distribution



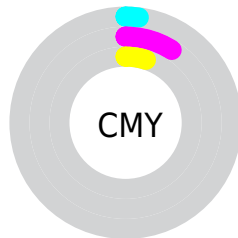
- Red (98%)
- Green (91%)
- Blue (95%)



- Red (98%)
- Yellow (91%)
- Blue (95%)



- Cyan (0%)
- Magenta (8%)
- Yellow (3%)
- Black (2%)





- Cyan (2%)
- Magenta (9%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.6935, 0.3186, 0.3182 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 84.6935, 0.3186, 0.3182 by changing the saturation by 10% instead.


 84.6935, 0.3186,
0.3182

 84.6935, 0.3186,
0.3182


510.6133, 0.3160,
0.3230

 63.5882, 0.3192,
0.3171

139.9449, 0.3177,
0.3198

 46.3172, 0.3199,
0.3158

174.8597, 0.3174,
0.3205

 32.4962, 0.3208,
0.3142


215.1465, 0.3170,
0.3211

 21.7408, 0.3219,
0.3122

261.1896, 0.3168,
0.3215

 13.6666, 0.3234,
0.3094

313.3734, 0.3165,
0.3220

 7.8891, 0.3255,
0.3056

372.0824, 0.3163,

 4.0241, 0.3285,

0.3224

0.3000

437.7009, 0.3161,
0.3227

■ 1.6870, 0.3336,
0.2909

■ 0.4152, 0.3566,
0.2481

■ 84.6935, 0.3186,
0.3182

■ 84.6935, 0.3186,
0.3182

■ 70.9439, 0.3278,
0.3032

■ 99.1429, 0.3110,
0.3304

■ 59.1585, 0.3387,
0.2877

■ 99.2372, 0.3102,
0.3290

■ 49.2493, 0.3515,
0.2723

■ 41.1172, 0.3664,
0.2576

■ 34.6539, 0.3832,
0.2446

■ 29.7393, 0.4018,
0.2345

■ 26.2370, 0.4214,
0.2285

■ 23.9864, 0.4413,
0.2277

■ 22.7765, 0.4607,
0.2322

Harmonies

Analogous

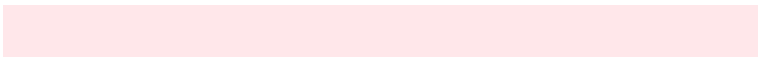
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.6935, 0.3084, 0.3130



84.6935, 0.3186, 0.3182



84.6935, 0.3274, 0.3261

Triad

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



84.6935, 0.3186, 0.3182



84.6935, 0.3260, 0.3464



84.6935, 0.2937, 0.3226

Complementary

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



84.6935, 0.3186, 0.3182



92.4033, 0.3072, 0.3400

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.



84.6935, 0.2982, 0.3317



84.6935, 0.3186, 0.3182



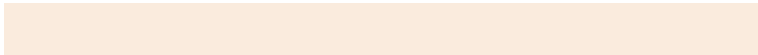
84.6935, 0.3168, 0.3456

Square

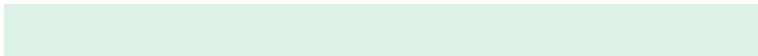
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



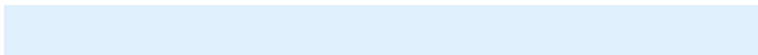
84.6935, 0.3186, 0.3182



84.6935, 0.3317, 0.3424



84.6935, 0.3067, 0.3402



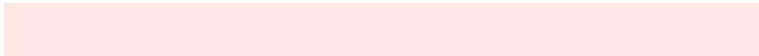
84.6935, 0.2941, 0.3154

Rectangle

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



84.6935, 0.3186, 0.3182



84.6935, 0.3311, 0.3321



84.6935, 0.3067, 0.3402



84.6935, 0.2947, 0.3255

Sweetspot

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



84.6972, 0.3186, 0.3182



96.6520, 0.3142, 0.3262



83.1987, 0.3063, 0.3101



20.7226, 0.3141, 0.3263



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

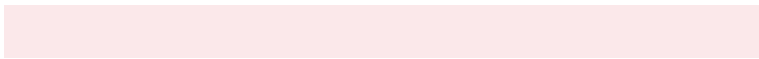
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.6972, 0.3186, 0.3182



85.6165, 0.3198, 0.3160



84.1439, 0.3246, 0.3275



17.3942, 0.3203, 0.3153



11.8956, 0.4624, 0.2321



1.1229, 0.4408, 0.2202

Inverse Universe

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



84.6972, 0.3186, 0.3182



85.6165, 0.3198, 0.3160



92.9762, 0.3019, 0.3305



17.3942, 0.3203, 0.3153



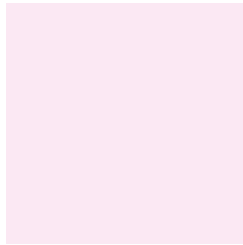
11.8956, 0.4624, 0.2321



1.1229, 0.4408, 0.2202

Previews

White Background



This preview shows how the Yxy color 84.6935, 0.3186, 0.3182 looks on a white background.

Color Contrast Check

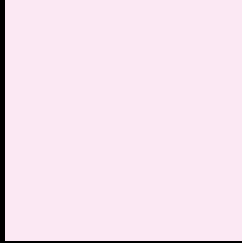
Large Text (above 18pt) WCAG AA × Fail

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 84.6935, 0.3186, 0.3182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

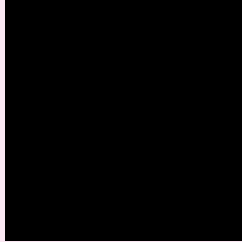
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

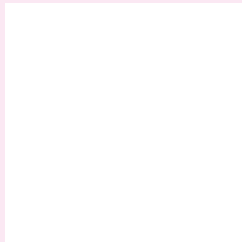
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.6935, 0.3186, 0.3182

Background



This preview shows how black text looks on a background with the Yxy color 84.6935, 0.3186, 0.3182.

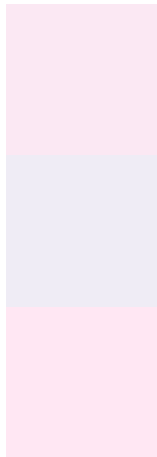


This preview shows how white text looks on a background with the Yxy color 84.6935, 0.3186, 0.3182.

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

84.6935, 0.3186, 0.3182

Protanopia

84.9342, 0.3092, 0.3199

Deuteranopia

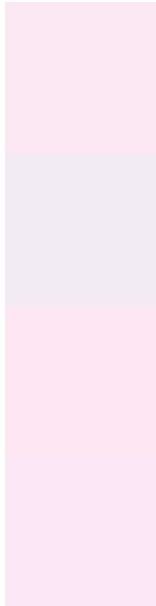
84.8829, 0.3214, 0.3173



Tritanopia

84.6868, 0.3156, 0.3114

Trichromacy



Original Color

84.6935, 0.3186, 0.3182

Protanomaly

85.0030, 0.3125, 0.3200

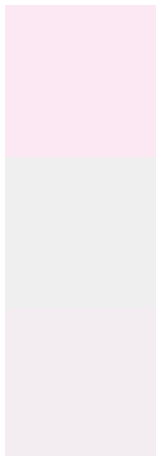
Deuteranomaly

84.6937, 0.3208, 0.3173

Tritanomaly

84.5627, 0.3168, 0.3133

Monochromacy



Original Color

84.6935, 0.3186, 0.3182

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

85.3369, 0.3149, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.6935, 0.3186, 0.3182 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(251, 232, 243)` looks like.

```
.text, #text, p{  
    color:rgb(251, 232, 243)  
}
```

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(251, 232, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 232, 243) }
```

Border

The CSS property to change the border of an element to Yxy 84.6935, 0.3186, 0.3182 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(251, 232, 243) }
```

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

```
.border{ border-color:rgb(251, 232, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 232, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 232, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 232, 243);  
box-shadow:4px 4px 4px 4px rgb(251, 232,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 84.6935, 0.3186, 0.3182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 232, 243) }
```

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

```
.background{ background-color: rgb(251,  
232, 243) }
```

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