

Converting Colors

$Yxy(85.1178, 0.3182, 0.3238)$

Have a look what the booklet for
Yxy(85.1178, 0.3182, 0.3238)
contains.

Yxy(84.9111, 0.3177, 0.3230)	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(84.9111, 0.3177, 0.3230)

Conversions

Conversions Part 1

Format	Color
Hex	F7EAF0
RGB	247, 234, 240
RGB Percent	97%, 92%, 94%
CMY	0.0313, 0.0824, 0.0587
CMYK	0.00, 0.05, 0.03, 0.03
HSL	332°, 45%, 94%
HSV	332°, 5%, 97%
XYZ	83.5178, 84.9111, 94.4537
YIQ	238.5710, 5.8220, 4.6220

Conversions

Conversions Part 2

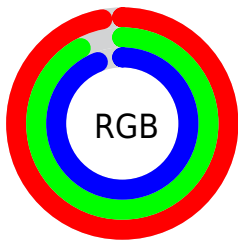
Format	Color
R_{YB}	247, 234, 240
Decimal	16247536
CIE Lab	93.84, 5.44, -1.36
CIE LCh	94, 5.604, 345.997
Yxy	84.9111, 0.3177, 0.3230
Android (android.graphics.Color)	4294437616 (0xFF7EAF0)
YUV	238.5710, 0.7045, 7.3922
Hunter-Lab	92.1472, 0.5262, 3.7290

Details

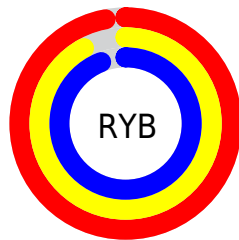
The Yxy color **84.9111, 0.3177, 0.3230** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **90.3749, 0.3080, 0.3351**, and the grayscale version is **85.9623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.3778, 0.3192, 0.3214** is the 20% darker color. If you saturate the color by 10%, you get **71.0579, 0.3287, 0.3111**, and if you desaturate by 10%, it is **98.4075, 0.3088, 0.3306**.

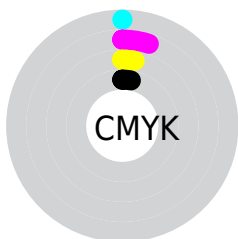
Distribution



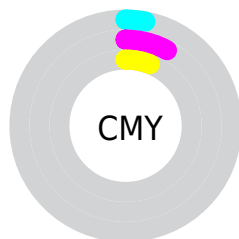
- Red (97%)
- Green (92%)
- Blue (94%)



- Red (97%)
- Yellow (92%)
- Blue (94%)



- Cyan (0%)
- Magenta (5%)
- Yellow (3%)
- Black (3%)





- Cyan (3%)
- Magenta (8%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.9111, 0.3177, 0.3230 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 84.9111, 0.3177, 0.3230 by changing the saturation by 10% instead.


 84.9111, 0.3177,
0.3230

 84.9111, 0.3177,
0.3230


511.3339, 0.3155,
0.3257

 63.7679, 0.3182,
0.3224

140.2490, 0.3169,
0.3239

 46.4627, 0.3188,
0.3217


175.2124, 0.3166,
0.3243

 32.6111, 0.3196,
0.3208


215.5515, 0.3164,
0.3246

 21.8287, 0.3205,
0.3196

261.6505, 0.3161,
0.3249

 13.7311, 0.3218,
0.3180

313.8938, 0.3159,
0.3251

 7.9339, 0.3236,
0.3159

372.6659, 0.3158,

 4.0527, 0.3263,

0.3253

0.3127

438.3511, 0.3156,
0.3255

■ 1.7031, 0.3308,
0.3074

■ 0.4256, 0.3532,
0.2798

■ 84.9111, 0.3177,
0.3230

■ 84.9111, 0.3177,
0.3230

■ 71.0579, 0.3287,
0.3111

■ 98.4075, 0.3088,
0.3306

■ 59.1375, 0.3419,
0.2987

■ 98.5177, 0.3078,
0.3290

■ 49.0659, 0.3579,
0.2861

■ 40.7490, 0.3767,
0.2740

■ 34.0839, 0.3985,
0.2632

■ 28.9573, 0.4231,
0.2549

■ 25.2412, 0.4497,
0.2504

■ 22.7865, 0.4770,
0.2509

■ 21.4097, 0.5034,
0.2570

Harmonies

Analogous

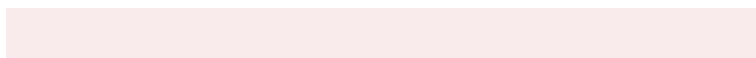
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.9111, 0.3113, 0.3193



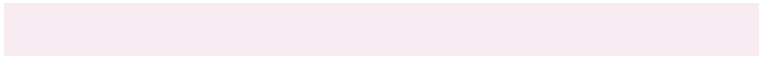
84.9111, 0.3177, 0.3230



84.9111, 0.3228, 0.3283

Triad

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



84.9111, 0.3177, 0.3230



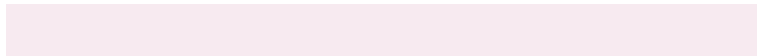
84.9111, 0.3202, 0.3402



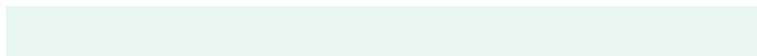
84.9111, 0.3004, 0.3239

Complementary

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



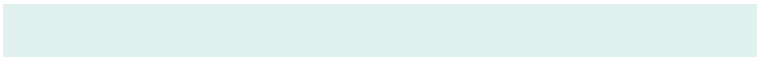
84.9111, 0.3177, 0.3230



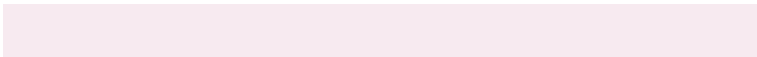
90.3749, 0.3080, 0.3351

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.



84.9111, 0.3027, 0.3296



84.9111, 0.3177, 0.3230



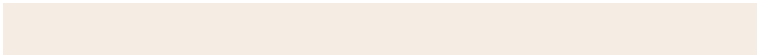
84.9111, 0.3141, 0.3390

Square

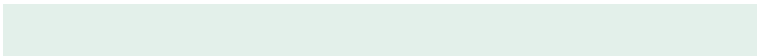
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



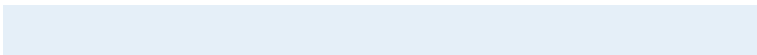
84.9111, 0.3177, 0.3230



84.9111, 0.3243, 0.3383



84.9111, 0.3077, 0.3352



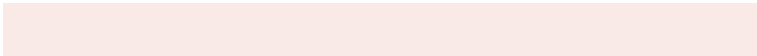
84.9111, 0.3013, 0.3197

Rectangle

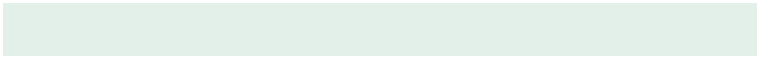
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.9111, 0.3177, 0.3230



84.9111, 0.3248, 0.3321



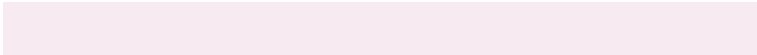
84.9111, 0.3077, 0.3352



84.9111, 0.3008, 0.3257

Sweetspot

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



84.9148, 0.3177, 0.3230



96.6142, 0.3145, 0.3267



84.2507, 0.3093, 0.3160



20.7149, 0.3145, 0.3269



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

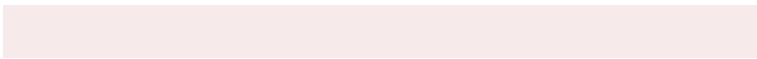
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.9148, 0.3177, 0.3230



90.1066, 0.3184, 0.3221



84.8091, 0.3215, 0.3295



17.4670, 0.3191, 0.3214



11.1355, 0.5113, 0.2591



0.9992, 0.4813, 0.2425

Inverse Universe

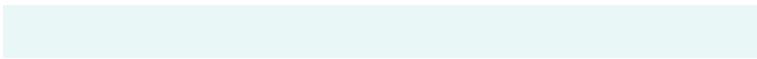
The Inverse Universe completely reimagines the original color for something new.



84.9148, 0.3177, 0.3230



90.1066, 0.3184, 0.3221



90.4767, 0.3045, 0.3285



17.4670, 0.3191, 0.3214



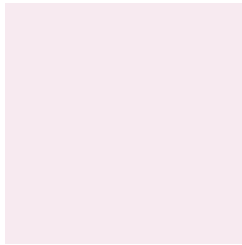
11.1355, 0.5113, 0.2591



0.9992, 0.4813, 0.2425

Previews

White Background



This preview shows how the Yxy color 84.9111, 0.3177, 0.3230 looks on a white background.

Color Contrast Check

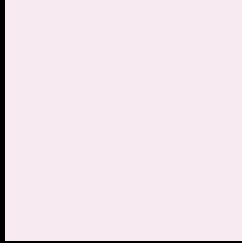
Large Text (above 18pt) WCAG AA × Fail

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 84.9111, 0.3177, 0.3230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

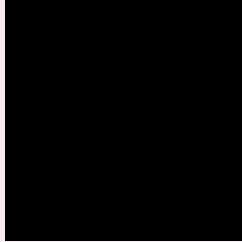
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

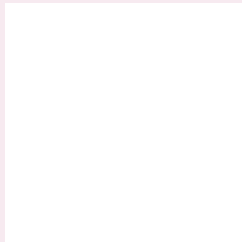
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.9111, 0.3177, 0.3230

Background



This preview shows how black text looks on a background with the Yxy color 84.9111, 0.3177, 0.3230.

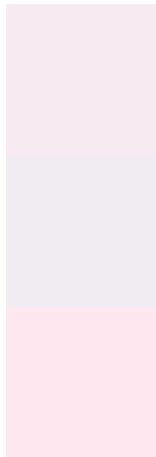


This preview shows how white text looks on a background with the Yxy color 84.9111, 0.3177, 0.3230.

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

84.9111, 0.3177, 0.3230

Protanopia

84.8670, 0.3123, 0.3240

Deuteranopia

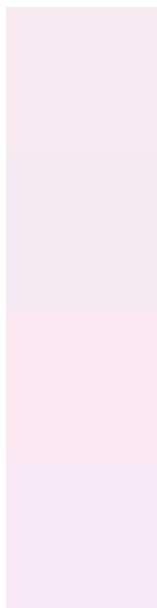
84.7031, 0.3234, 0.3202



Tritanopia

84.8180, 0.3122, 0.3104

Trichromacy



Original Color

84.9111, 0.3177, 0.3230

Protanomaly

84.8222, 0.3143, 0.3230

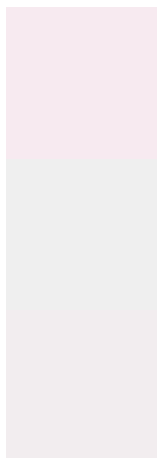
Deuteranomaly

84.6999, 0.3212, 0.3211

Tritanomaly

84.9497, 0.3140, 0.3152

Monochromacy



Original Color

84.9111, 0.3177, 0.3230

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

85.6776, 0.3148, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.9111, 0.3177, 0.3230 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, 234, 240) looks like.

```
.text, #text, p{  
    color:rgb(247, 234, 240)  
}
```

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, 234, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 234, 240) }
```

Border

The CSS property to change the border of an element to Yxy 84.9111, 0.3177, 0.3230 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, 234, 240) }
```

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

```
.border{ border-color:rgb(247, 234, 240) }
```

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

Here you see how a box with a 4 pixel rgb(247, 234, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 234, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 234, 240);  
box-shadow:4px 4px 4px 4px rgb(247, 234,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 84.9111, 0.3177, 0.3230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 234, 240) }
```

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

```
.background{ background-color: rgb(247,  
234, 240) }
```

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