

# Converting Colors

$Y_{xy}(84.1773, 0.3178, 0.3233)$

Have a look what the booklet for  
Yxy(84.1773, 0.3178, 0.3233)  
contains.

<b>Yxy(84.1027, 0.3177, 0.3230)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(84.1027, 0.3177, 0.3230)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6E9EF
RGB	246, 233, 239
RGB Percent	96%, 91%, 94%
CMY	0.0354, 0.0862, 0.0626
CMYK	0.00, 0.05, 0.03, 0.04
HSL	332°, 42%, 94%
HSV	332°, 5%, 96%
XYZ	82.7227, 84.1027, 93.5545
YIQ	237.5710, 5.8220, 4.6220

# Conversions

## Conversions Part 2

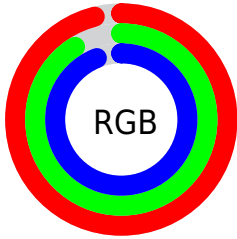
Format	Color
R <sub>Y</sub> B	246, 233, 239
Decimal	16181743
CIE Lab	93.50, 5.42, -1.35
CIE LCh	93, 5.586, 345.997
Yxy	84.1027, 0.3177, 0.3230
Android (android.graphics.Color)	4294371823 (0xFFFF6E9EF)
YUV	237.5710, 0.7045, 7.3922
Hunter-Lab	91.7075, 0.5237, 3.7112

# Details

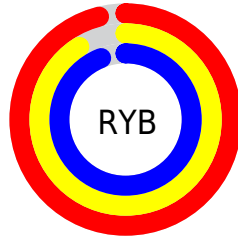
The Yxy color **84.1027, 0.3177, 0.3230** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.5145, 0.3080, 0.3351**, and the grayscale version is **85.1439, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.8103, 0.3192, 0.3213** is the 20% darker color. If you saturate the color by 10%, you get **70.3843, 0.3287, 0.3111**, and if you desaturate by 10%, it is **98.1513, 0.3087, 0.3317**.

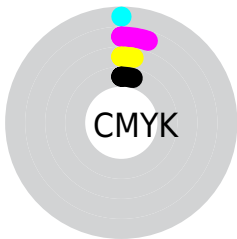
# Distribution



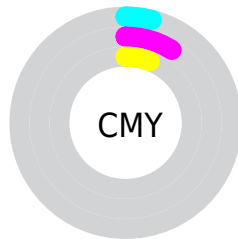
- Red (96%)
- Green (91%)
- Blue (94%)



- Red (96%)
- Yellow (91%)
- Blue (94%)



- Cyan (0%)
- Magenta (5%)
- Yellow (3%)
- Black (4%)




- Cyan (4%)
- Magenta (9%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.1027, 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 84.1027, 0.3177, 0.3230 by changing the saturation by 10% instead.




 84.1027, 0.3177,  
0.3230

 84.1027, 0.3177,  
0.3230


508.6542, 0.3155,  
0.3257

 63.1002, 0.3182,  
0.3224


139.1188, 0.3169,  
0.3239

 45.9223, 0.3188,  
0.3217


173.9013, 0.3166,  
0.3243

 32.1845, 0.3196,  
0.3208


214.0458, 0.3164,  
0.3246

 21.5025, 0.3205,  
0.3196

259.9369, 0.3161,  
0.3249

 13.4918, 0.3218,  
0.3180

311.9589, 0.3159,  
0.3251

 7.7681, 0.3237,  
0.3158

370.4962, 0.3158,

 3.9469, 0.3264,

0.3253

0.3126

435.9332, 0.3156,  
0.3255

■ 1.6439, 0.3309,  
0.3072

■ 0.3869, 0.3565,  
0.2758

■ 84.1027, 0.3177,  
0.3230

■ 84.1027, 0.3177,  
0.3230

■ 70.3843, 0.3287,  
0.3111

■ 98.1513, 0.3087,  
0.3317

■ 58.5794, 0.3419,  
0.2987

■ 98.3294, 0.3072,  
0.3290

■ 48.6050, 0.3579,  
0.2861

■ 40.3677, 0.3767,  
0.2740

■ 33.7660, 0.3985,  
0.2632

■ 28.6876, 0.4231,  
0.2549

■ 25.0057, 0.4497,  
0.2504

■ 22.5729, 0.4770,  
0.2509

■ 21.2077, 0.5033,  
0.2570

# Harmonies

## Analogous

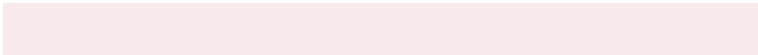
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.1027, 0.3113, 0.3193



84.1027, 0.3177, 0.3230



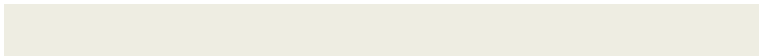
84.1027, 0.3228, 0.3283

# Triad

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



84.1027, 0.3177, 0.3230



84.1027, 0.3202, 0.3402



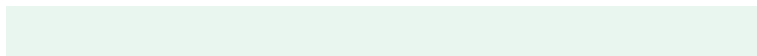
84.1027, 0.3004, 0.3239

# Complementary

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



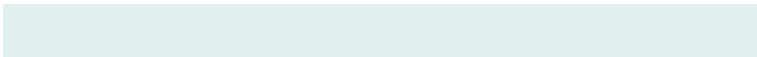
84.1027, 0.3177, 0.3230



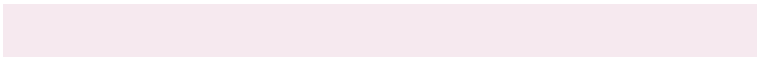
89.5145, 0.3080, 0.3351

# 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.



84.1027, 0.3027, 0.3296



84.1027, 0.3177, 0.3230



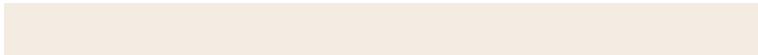
84.1027, 0.3141, 0.3390

# Square

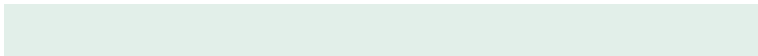
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



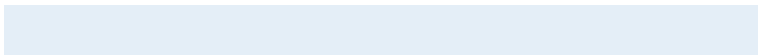
84.1027, 0.3177, 0.3230



84.1027, 0.3243, 0.3383



84.1027, 0.3077, 0.3352



84.1027, 0.3013, 0.3197



# Rectangle

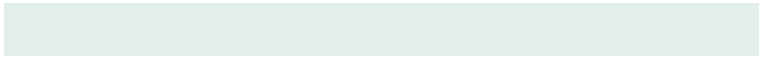
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



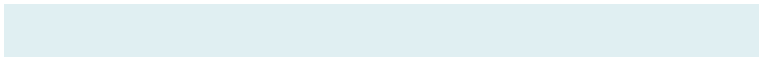
84.1027, 0.3177, 0.3230



84.1027, 0.3248, 0.3321



84.1027, 0.3077, 0.3352



84.1027, 0.3008, 0.3257

# Sweetspot

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



84.1063, 0.3177, 0.3230



96.6142, 0.3145, 0.3267



83.4486, 0.3093, 0.3160



20.7149, 0.3145, 0.3269



0.0000, 0.0000, 0.0000

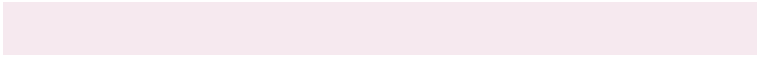


21.4041, 0.3127, 0.3290



# Same Dimension

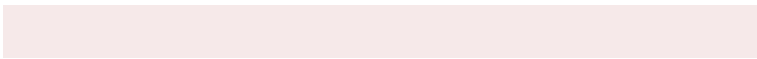
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.1063, 0.3177, 0.3230



90.1066, 0.3184, 0.3221



84.0016, 0.3215, 0.3295



17.4670, 0.3191, 0.3214



11.1355, 0.5113, 0.2591

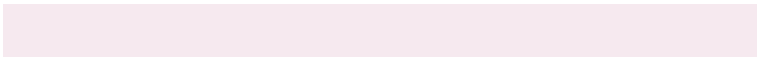


0.9992, 0.4813, 0.2425



# Inverse Universe

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



84.1063, 0.3177, 0.3230



90.1066, 0.3184, 0.3221



89.6153, 0.3045, 0.3285



17.4670, 0.3191, 0.3214



11.1355, 0.5113, 0.2591

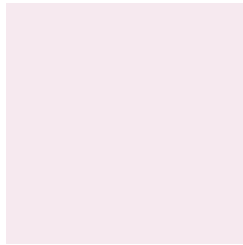


0.9992, 0.4813, 0.2425



# Previews

## White Background



This preview shows how the Yxy color 84.1027, 0.3177, 0.3230 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

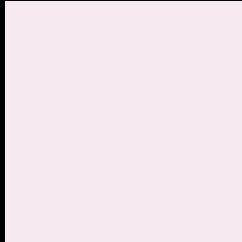
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.1027, 0.3177, 0.3230 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

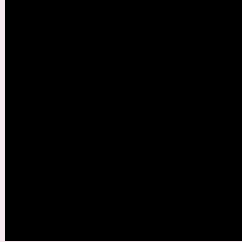
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

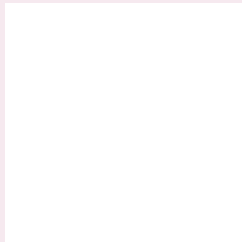
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.1027, 0.3177, 0.3230**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.1027, 0.3177, 0.3230.

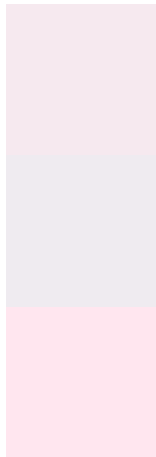


This preview shows how white text looks on a background with the Yxy color 84.1027, 0.3177, 0.3230.

# 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

84.1027, 0.3177, 0.3230

### Protanopia

84.0587, 0.3123, 0.3239

### Deuteranopia

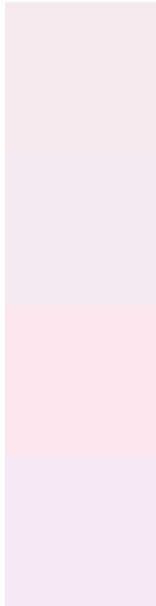
84.0856, 0.3241, 0.3202



## Tritanopia

84.0104, 0.3122, 0.3103

# Trichromacy



## Original Color

84.1027, 0.3177, 0.3230

## Protanomaly

84.0142, 0.3143, 0.3230

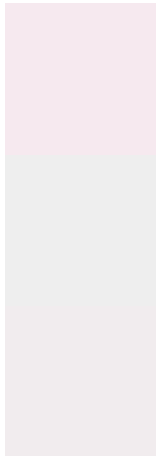
## Deuteranomaly

84.0793, 0.3220, 0.3211

## Tritanomaly

84.1412, 0.3140, 0.3151

# Monochromacy



## Original Color

84.1027, 0.3177, 0.3230

## Achromatopsia

85.4993, 0.3127, 0.3290

## Achromatomaly

84.8647, 0.3148, 0.3270

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.1027, 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(246, 233, 239) looks like.

```
.text, #text, p{  
    color:rgb(246, 233, 239)  
}
```

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(246, 233, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 233, 239) }
```

## Border

The CSS property to change the border of an element to Yxy 84.1027, 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(246, 233, 239) }
```

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

```
.border{ border-color:rgb(246, 233, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 233, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 233, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 233, 239);  
box-shadow:4px 4px 4px 4px rgb(246, 233,  
239) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.1027, 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(246, 233, 239) }
```

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

```
.background{ background-color: rgb(246,  
233, 239) }
```

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