

# Converting Colors

$Y_{xy}(83.0025, 0.3183, 0.3250)$

Have a look what the booklet for  
Yxy(83.0025, 0.3183, 0.3250)  
contains.

<b>Yxy(83.0025, 0.3183, 0.3250)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(83.0025, 0.3183, 0.3250)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4E8EC
RGB	244, 232, 236
RGB Percent	96%, 91%, 93%
CMY	0.0434, 0.0901, 0.0745
CMYK	0.00, 0.05, 0.03, 0.04
HSL	340°, 35%, 93%
HSV	340°, 5%, 96%
XYZ	81.2914, 83.0025, 91.0984
YIQ	236.0440, 5.8680, 3.7880

# Conversions

## Conversions Part 2

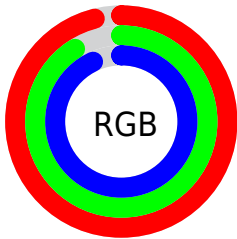
Format	Color
R <sub>Y</sub> B	244, 232, 236
Decimal	16050412
CIE Lab	93.02, 4.72, -0.50
CIE LCh	93, 4.744, 353.953
Yxy	83.0025, 0.3183, 0.3250
Android (android.graphics.Color)	4294240492 (0xFF4E8EC)
YUV	236.0440, -0.0217, 6.9774
Hunter-Lab	91.1057, -0.1639, 4.4887

# Details

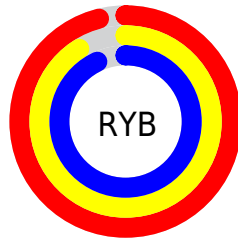
The Yxy color **83.0025, 0.3183, 0.3250** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **88.1167, 0.3074, 0.3330**, and the grayscale version is **83.9105, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.0373, 0.3200, 0.3239** is the 20% darker color. If you saturate the color by 10%, you get **69.3091, 0.3316, 0.3164**, and if you desaturate by 10%, it is **97.7873, 0.3075, 0.3317**.

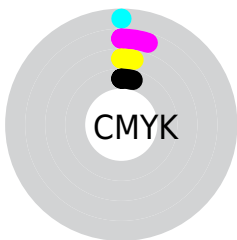
# Distribution



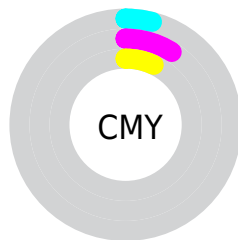
- Red (96%)
- Green (91%)
- Blue (93%)



- Red (96%)
- Yellow (91%)
- Blue (93%)



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




- Cyan (4%)
- Magenta (9%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.0025, 0.3183, 0.3250 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 83.0025, 0.3183, 0.3250 by changing the saturation by 10% instead.




 83.0025, 0.3183,  
0.3250

 83.0025, 0.3183,  
0.3250


504.9949, 0.3158,  
0.3268

 62.1922, 0.3189,  
0.3246

137.5790, 0.3174,  
0.3256

 45.1880, 0.3196,  
0.3241


172.1139, 0.3171,  
0.3259

 31.6056, 0.3204,  
0.3235

211.9926, 0.3168,  
0.3261

 21.0604, 0.3215,  
0.3227

257.5993, 0.3165,  
0.3263

 13.1682, 0.3230,  
0.3216

309.3185, 0.3163,  
0.3264

 7.5444, 0.3251,  
0.3201

367.5346, 0.3161,

 3.8049, 0.3283,

0.3266

0.3179

432.6319, 0.3159,  
0.3267

■ 1.5650, 0.3336,  
0.3141

■ 0.3338, 0.3713,  
0.2866

■ 83.0025, 0.3183,  
0.3250

■ 83.0025, 0.3183,  
0.3250

■ 69.3091, 0.3316,  
0.3164

■ 97.7873, 0.3075,  
0.3317

■ 57.5239, 0.3479,  
0.3074

■ 97.9632, 0.3059,  
0.3290

■ 47.5646, 0.3678,  
0.2982

■ 39.3388, 0.3917,  
0.2894

■ 32.7461, 0.4197,  
0.2818

■ 27.6755, 0.4517,  
0.2764

■ 24.0020, 0.4862,  
0.2746

■ 21.5805, 0.5211,  
0.2773

■ 20.2333, 0.5532,  
0.2851

# Harmonies

## Analogous

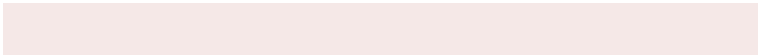
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0025, 0.3130, 0.3213



83.0025, 0.3183, 0.3250



83.0025, 0.3222, 0.3297

# Triad

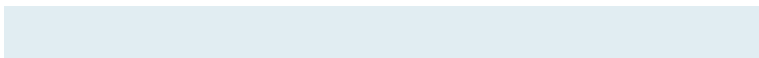
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.0025, 0.3183, 0.3250



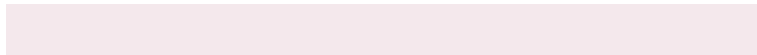
83.0025, 0.3178, 0.3385



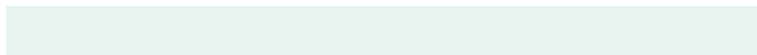
83.0025, 0.3021, 0.3236

# Complementary

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



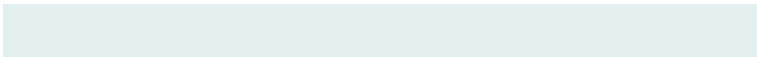
83.0025, 0.3183, 0.3250



88.1167, 0.3074, 0.3330

# Split Complementary

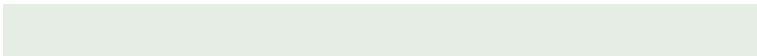
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.0025, 0.3034, 0.3282



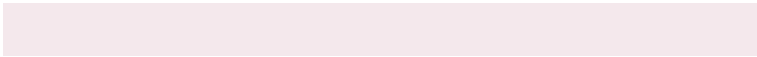
83.0025, 0.3183, 0.3250



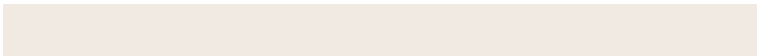
83.0025, 0.3124, 0.3369

# Square

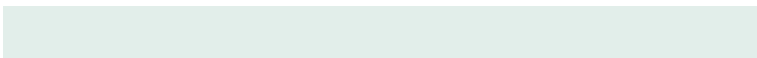
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



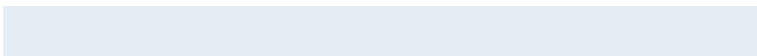
83.0025, 0.3183, 0.3250



83.0025, 0.3219, 0.3376



83.0025, 0.3071, 0.3331



83.0025, 0.3036, 0.3205

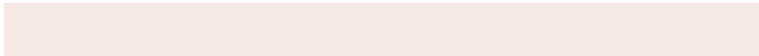


# Rectangle

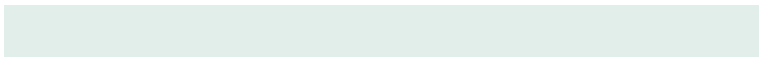
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



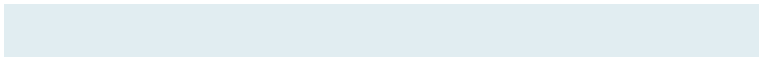
83.0025, 0.3183, 0.3250



83.0025, 0.3234, 0.3329



83.0025, 0.3071, 0.3331



83.0025, 0.3022, 0.3250

# Sweetspot

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



83.0061, 0.3183, 0.3250



98.2749, 0.3138, 0.3282



82.7400, 0.3105, 0.3170



21.0531, 0.3138, 0.3282



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

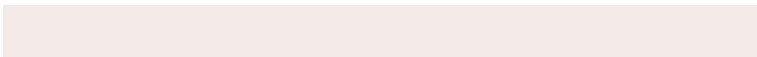
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0061, 0.3183, 0.3250



89.9849, 0.3197, 0.3241



83.7891, 0.3207, 0.3308



17.4408, 0.3204, 0.3235



10.8082, 0.5639, 0.2880



0.9683, 0.5288, 0.2687



# Inverse Universe

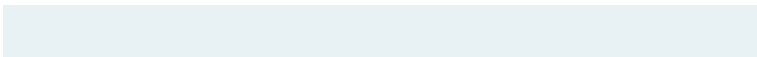
The Inverse Universe completely reimagines the original color for something new.



83.0061, 0.3183, 0.3250



89.9849, 0.3197, 0.3241



87.2855, 0.3051, 0.3272



17.4408, 0.3204, 0.3235



10.8082, 0.5639, 0.2880

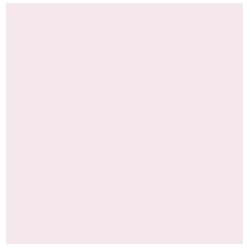


0.9683, 0.5288, 0.2687



# Previews

## White Background



This preview shows how the Yxy color 83.0025, 0.3183, 0.3250 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

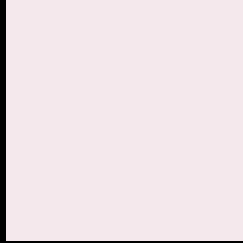
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.0025, 0.3183, 0.3250 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

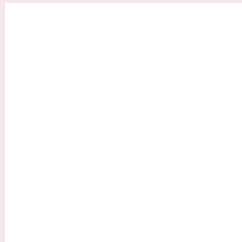
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.0025, 0.3183, 0.3250**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.0025, 0.3183, 0.3250.

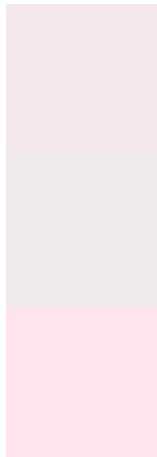


This preview shows how white text looks on a background with the Yxy color 83.0025, 0.3183, 0.3250.

# 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

83.0025, 0.3183, 0.3250

### Protanopia

83.1372, 0.3135, 0.3260

### Deuteranopia

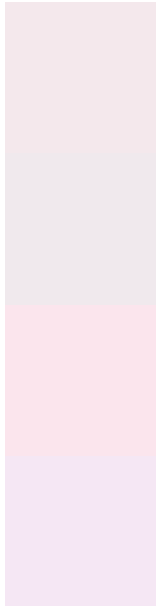
82.8612, 0.3256, 0.3202



## Tritanopia

82.9638, 0.3122, 0.3111

# Trichromacy



## Original Color

83.0025, 0.3183, 0.3250

## Protanomaly

82.9175, 0.3149, 0.3250

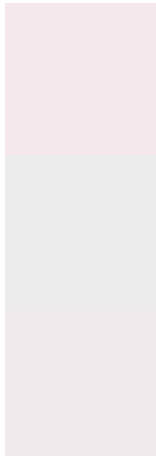
## Deuteranomaly

82.6623, 0.3227, 0.3211

## Tritanomaly

83.0960, 0.3140, 0.3160

# Monochromacy



## Original Color

83.0025, 0.3183, 0.3250

## Achromatopsia

83.8799, 0.3127, 0.3290

## Achromatomaly

83.8235, 0.3148, 0.3280

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.0025, 0.3183, 0.3250 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(244, 232, 236) looks like.

```
.text, #text, p{  
    color:rgb(244, 232, 236)  
}
```

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(244, 232, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 232, 236) }
```

## Border

The CSS property to change the border of an element to Yxy 83.0025, 0.3183, 0.3250 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(244, 232, 236) }
```

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

```
.border{ border-color:rgb(244, 232, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 232, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 232, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 232, 236);  
box-shadow:4px 4px 4px 4px rgb(244, 232,  
236) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.0025, 0.3183, 0.3250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 232, 236) }
```

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

```
.background{ background-color: rgb(244,  
232, 236) }
```

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