

# Converting Colors

$Y_{xy}(82.6778, 0.3134, 0.3154)$

Have a look what the booklet for  
Yxy(82.6778, 0.3134, 0.3154)  
contains.

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# Color

**Yxy(82.9166, 0.3133, 0.3160)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4E7F4
RGB	244, 231, 244
RGB Percent	96%, 91%, 96%
CMY	0.0432, 0.0941, 0.0431
CMYK	0.00, 0.05, 0.00, 0.04
HSL	300°, 37%, 93%
HSV	300°, 5%, 96%
XYZ	82.2081, 82.9166, 97.2696
YIQ	236.3690, 3.5750, 6.7990

# Conversions

## Conversions Part 2

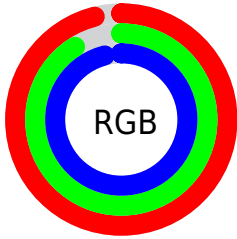
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	244, 231, 244
Decimal	16050164
CIE Lab	92.98, 6.66, -4.73
CIE LCh	93, 8.165, 324.620
Yxy	82.9166, 0.3133, 0.3160
Android (android.graphics.Color)	4294240244 (0xFFFF4E7F4)
YUV	236.3690, 3.7621, 6.6924
Hunter-Lab	91.0586, 1.7983, 0.4069

# Details

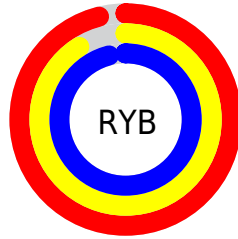
The Yxy color **82.9166, 0.3133, 0.3160** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.4775, 0.3121, 0.3423**, and the grayscale version is **84.1472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.9822, 0.3135, 0.3124** is the 20% darker color. If you saturate the color by 10%, you get **70.1859, 0.3144, 0.2910**, and if you desaturate by 10%, it is **97.2941, 0.3122, 0.3397**.

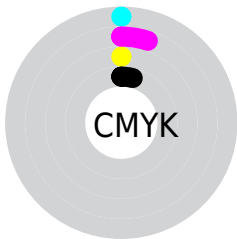
# Distribution



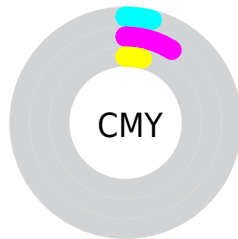
- Red (96%)
- Green (91%)
- Blue (96%)



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



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




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.9166, 0.3133, 0.3160 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 82.9166, 0.3133, 0.3160 by changing the saturation by 10% instead.




 82.9166, 0.3133,  
0.3160

 82.9166, 0.3133,  
0.3160

504.7085, 0.3131,  
0.3218

 62.1214, 0.3133,  
0.3147

137.4586, 0.3132,  
0.3180

 45.1308, 0.3134,  
0.3131

171.9742, 0.3132,  
0.3188

 31.5604, 0.3135,  
0.3112


211.8321, 0.3132,  
0.3194

 21.0260, 0.3135,  
0.3087

257.4165, 0.3131,  
0.3200

 13.1430, 0.3136,  
0.3053

309.1120, 0.3131,  
0.3206

 7.5271, 0.3137,  
0.3007

367.3029, 0.3131,

 3.7939, 0.3138,

0.3210

432.3736, 0.3131,  
0.3215

0.2938

■ 1.5589, 0.3139,  
0.2826

■ 0.3297, 0.3183,  
0.2205

■ 82.9166, 0.3133,  
0.3160

■ 82.9166, 0.3133,  
0.3160

■ 70.1859, 0.3144,  
0.2910

■ 97.2941, 0.3122,  
0.3397

■ 59.2774, 0.3155,  
0.2659

■ 97.3070, 0.3123,  
0.3397

■ 50.1111, 0.3166,  
0.2413


■ 97.3199, 0.3123,  
0.3397

■ 42.5965, 0.3176,  
0.2183

■ 97.3328, 0.3124,  
0.3397


 36.6354, 0.3185,  
0.1978


 97.3457, 0.3124,  
0.3397


 32.1190, 0.3192,  
0.1808


 97.3586, 0.3125,  
0.3397


 28.9243, 0.3197,  
0.1679

 97.3715, 0.3125,  
0.3397

 26.9082, 0.3200,  
0.1593

 97.3844, 0.3125,  
0.3397

 25.8942, 0.3202,  
0.1549

 97.3973, 0.3126,  
0.3397

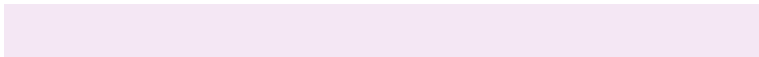
# Harmonies

## Analogous

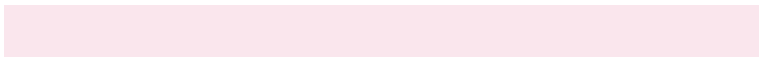
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.9166, 0.3041, 0.3131



82.9166, 0.3133, 0.3160



82.9166, 0.3225, 0.3223

# Triad

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



82.9166, 0.3133, 0.3160



82.9166, 0.3284, 0.3438



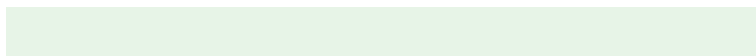
82.9166, 0.2966, 0.3273

# Complementary

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



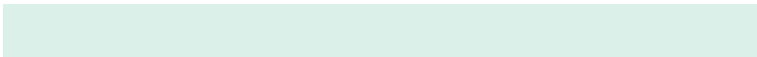
82.9166, 0.3133, 0.3160



87.4775, 0.3121, 0.3423

# 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.



82.9166, 0.3029, 0.3358



82.9166, 0.3133, 0.3160



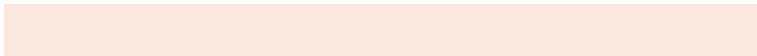
82.9166, 0.3213, 0.3454

# Square

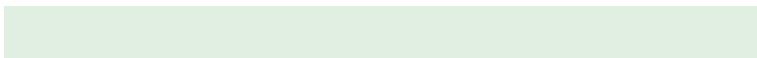
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.9166, 0.3133, 0.3160



82.9166, 0.3313, 0.3382



82.9166, 0.3119, 0.3425



82.9166, 0.2945, 0.3194

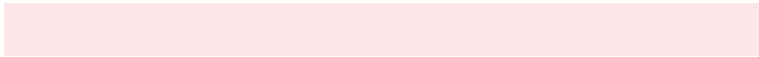


# Rectangle

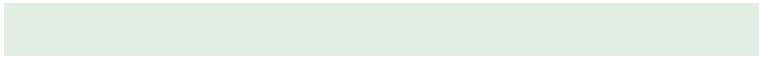
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.9166, 0.3133, 0.3160



82.9166, 0.3273, 0.3276



82.9166, 0.3119, 0.3425



82.9166, 0.2983, 0.3302

# Sweetspot

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



82.9202, 0.3133, 0.3160



96.7862, 0.3129, 0.3241



80.8038, 0.3046, 0.3159



20.7499, 0.3129, 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.



82.9202, 0.3133, 0.3160



90.6151, 0.3134, 0.3143



82.5517, 0.3173, 0.3223



17.5768, 0.3134, 0.3128



13.9408, 0.3202, 0.1538

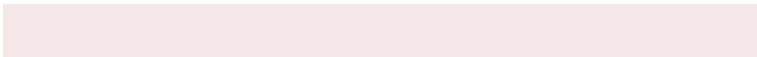


1.2261, 0.3203, 0.1538



# Inverse Universe

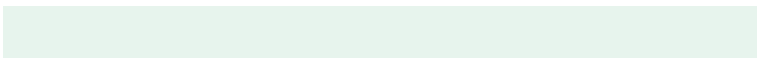
The Inverse Universe completely reimagines the original color for something new.



82.1669, 0.3216, 0.3290



89.6798, 0.3228, 0.3290



87.8326, 0.3084, 0.3358



17.3753, 0.3240, 0.3290



10.4591, 0.6398, 0.3298

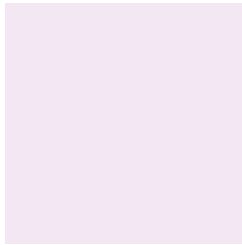


0.9195, 0.6390, 0.3294



# Previews

## White Background



This preview shows how the Yxy color 82.9166, 0.3133, 0.3160 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

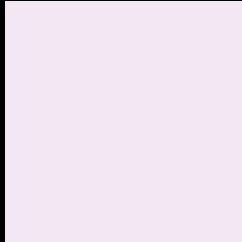
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.9166, 0.3133, 0.3160 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

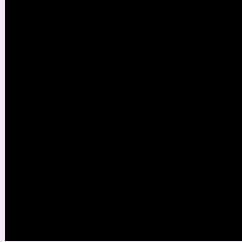
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

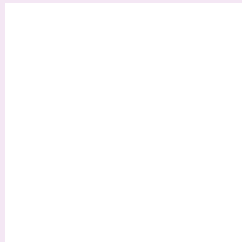
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.9166, 0.3133, 0.3160**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.9166, 0.3133, 0.3160.

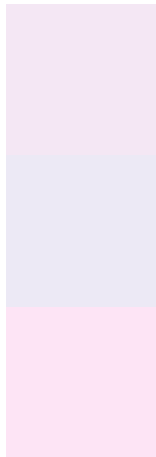


This preview shows how white text looks on a background with the Yxy color 82.9166, 0.3133, 0.3160.

# 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

82.9166, 0.3133, 0.3160

### Protanopia

82.7033, 0.3073, 0.3168

### Deuteranopia

82.9620, 0.3190, 0.3123



## Tritanopia

82.7834, 0.3115, 0.3111

# Trichromacy



## Original Color

82.9166, 0.3133, 0.3160

## Protanomaly

82.6565, 0.3093, 0.3159

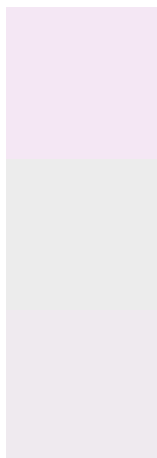
## Deuteranomaly

82.9552, 0.3169, 0.3132

## Tritanomaly

82.7215, 0.3122, 0.3121

# Monochromacy



## Original Color

82.9166, 0.3133, 0.3160

## Achromatopsia

83.8799, 0.3127, 0.3290

## Achromatomaly

83.4284, 0.3130, 0.3239

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.9166, 0.3133, 0.3160 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, 231, 244)` looks like.

```
.text, #text, p{  
    color:rgb(244, 231, 244)  
}
```

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, 231, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 231, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 82.9166, 0.3133, 0.3160 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, 231, 244) }
```

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

```
.border{ border-color:rgb(244, 231, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 231, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(244, 231, 244); -webkit-box-shadow:4px 4px 4px 4px rgb(244, 231, 244); box-shadow:4px 4px 4px 4px rgb(244, 231, 244) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.9166, 0.3133, 0.3160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 231, 244) }
```

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

```
.background{ background-color: rgb(244,  
231, 244) }
```

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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