

# Converting Colors

$Y_{xy}(87.2470, 0.3134, 0.3212)$

Have a look what the booklet for  
Yxy(87.2470, 0.3134, 0.3212)  
contains.

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# Color

**Yxy(87.3957, 0.3131, 0.3211)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6EEF6
RGB	246, 238, 246
RGB Percent	96%, 93%, 96%
CMY	0.0352, 0.0667, 0.0353
CMYK	0.00, 0.03, 0.00, 0.04
HSL	300°, 31%, 95%
HSV	300°, 3%, 96%
XYZ	85.2183, 87.3957, 99.5620
YIQ	241.3040, 2.2000, 4.1840

# Conversions

## Conversions Part 2

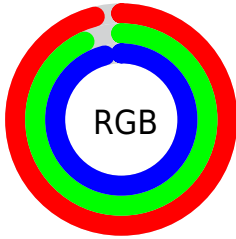
Format	Color
R <sub>Y</sub> B	246, 238, 246
Decimal	16183030
CIE Lab	94.91, 4.09, -2.90
CIE LCh	95, 5.018, 324.628
Yxy	87.3957, 0.3131, 0.3211
Android (android.graphics.Color)	4294373110 (0xFF6EEF6)
YUV	241.3040, 2.3151, 4.1184
Hunter-Lab	93.4857, -0.8855, 2.2963

# Details

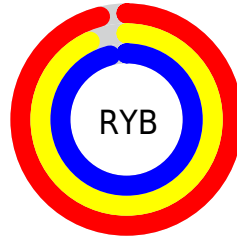
The Yxy color **87.3957, 0.3131, 0.3211** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **90.2733, 0.3123, 0.3370**, and the grayscale version is **88.1988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.1208, 0.3132, 0.3189** is the 20% darker color. If you saturate the color by 10%, you get **74.0356, 0.3143, 0.2963**, and if you desaturate by 10%, it is **97.7732, 0.3123, 0.3377**.

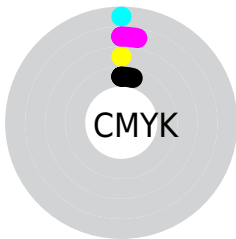
# Distribution



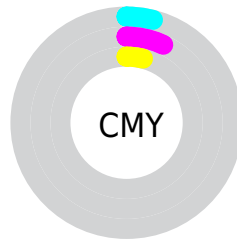
- Red (96%)
- Green (93%)
- Blue (96%)



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



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



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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.3957, 0.3131, 0.3211 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 87.3957, 0.3131, 0.3211 by changing the saturation by 10% instead.



 87.3957, 0.3131,  
0.3211

 87.3957, 0.3131,  
0.3211

519.5222, 0.3129,  
0.3246

 65.8227, 0.3131,  
0.3203


143.7156, 0.3130,  
0.3223

 48.1285, 0.3132,  
0.3194

179.2312, 0.3130,  
0.3228

 33.9287, 0.3132,  
0.3182


220.1632, 0.3130,  
0.3232

 22.8388, 0.3133,  
0.3167

266.8960, 0.3130,  
0.3235

 14.4745, 0.3133,  
0.3147

319.8138, 0.3130,  
0.3239

 8.4514, 0.3134,  
0.3120

379.3013, 0.3130,

 4.3851, 0.3136,

0.3241

0.3080

445.7426, 0.3130,  
0.3244

■ 1.8913, 0.3137,  
0.3014

■ 0.5431, 0.3154,  
0.2780

■ 87.3957, 0.3131,  
0.3211

■ 87.3957, 0.3131,  
0.3211

■ 74.0356, 0.3143,  
0.2963

■ 97.7732, 0.3123,  
0.3377

■ 62.5503, 0.3155,  
0.2712

■ 97.7770, 0.3122,  
0.3376

■ 52.8594, 0.3168,  
0.2465

■ 97.7808, 0.3122,  
0.3376

■ 44.8722, 0.3179,  
0.2232

■ 97.7846, 0.3122,  
0.3375

38.4903, 0.3190,  
0.2022

97.7885, 0.3121,  
0.3375

33.6052, 0.3199,  
0.1845

97.7923, 0.3121,  
0.3374

30.0947, 0.3206,  
0.1707

97.7961, 0.3121,  
0.3373

27.8179, 0.3211,  
0.1613

97.7999, 0.3120,  
0.3373

26.6033, 0.3214,  
0.1562

97.8037, 0.3120,  
0.3372

# Harmonies

## Analogous

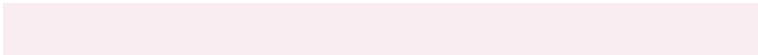
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3957, 0.3075, 0.3193



87.3957, 0.3131, 0.3211



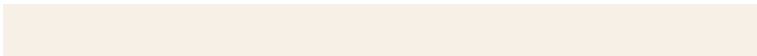
87.3957, 0.3186, 0.3249

# Triad

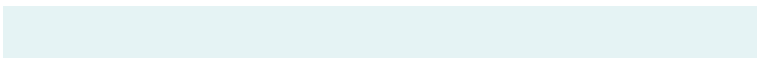
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.3957, 0.3131, 0.3211



87.3957, 0.3222, 0.3380



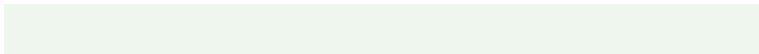
87.3957, 0.3029, 0.3280

# Complementary

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



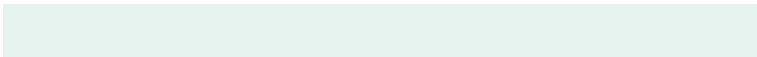
87.3957, 0.3131, 0.3211



90.2733, 0.3123, 0.3370

# 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.



87.3957, 0.3068, 0.3331



87.3957, 0.3131, 0.3211



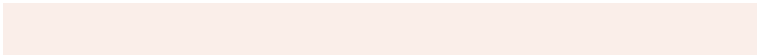
87.3957, 0.3179, 0.3389

# Square

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



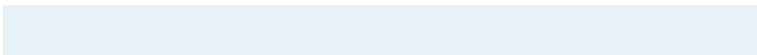
87.3957, 0.3131, 0.3211



87.3957, 0.3239, 0.3346



87.3957, 0.3123, 0.3371

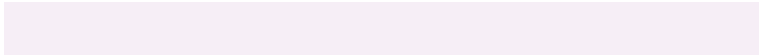


87.3957, 0.3017, 0.3233

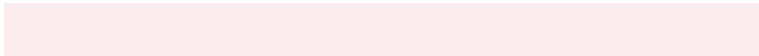


# Rectangle

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



87.3957, 0.3131, 0.3211



87.3957, 0.3215, 0.3282



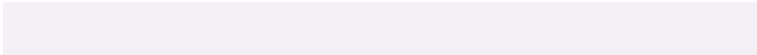
87.3957, 0.3123, 0.3371



87.3957, 0.3040, 0.3298

# Sweetspot

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



87.3995, 0.3131, 0.3211



98.3834, 0.3128, 0.3266



85.9824, 0.3078, 0.3209



21.0751, 0.3128, 0.3267



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.



87.3995, 0.3131, 0.3211



93.6622, 0.3132, 0.3193



87.1572, 0.3156, 0.3250



18.1370, 0.3133, 0.3175



13.9895, 0.3215, 0.1545

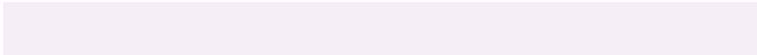


1.2298, 0.3215, 0.1545



# Inverse Universe

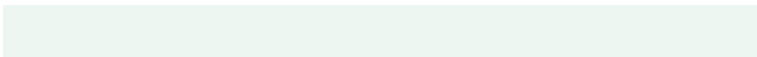
The Inverse Universe completely reimagines the original color for something new.



87.3995, 0.3131, 0.3211



93.6622, 0.3132, 0.3193



90.5103, 0.3100, 0.3330



18.1370, 0.3133, 0.3175



13.9895, 0.3215, 0.1545

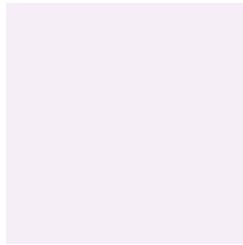


1.2298, 0.3215, 0.1545



# Previews

## White Background



This preview shows how the Yxy color 87.3957, 0.3131, 0.3211 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

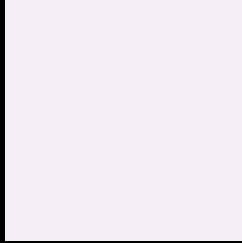
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.3957, 0.3131, 0.3211 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

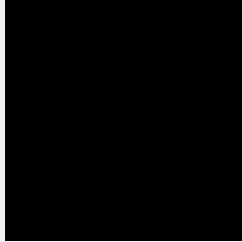
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

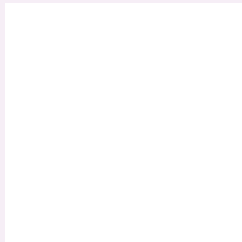
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 87.3957, 0.3131, 0.3211**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.3957, 0.3131, 0.3211.

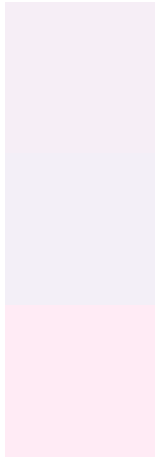


This preview shows how white text looks on a background with the Yxy color 87.3957, 0.3131, 0.3211.

# 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

87.3957, 0.3131, 0.3211

### Protanopia

87.5031, 0.3105, 0.3211

### Deuteranopia

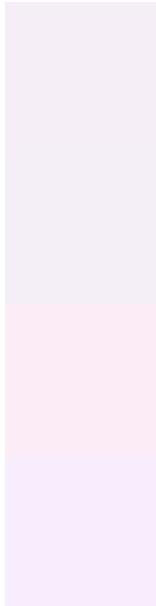
87.2692, 0.3199, 0.3193



## Tritanopia

87.5625, 0.3083, 0.3114

# Trichromacy



## Original Color

87.3957, 0.3131, 0.3211

## Protanomaly

87.6815, 0.3111, 0.3211

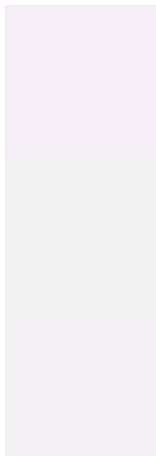
## Deuteranomaly

87.2789, 0.3178, 0.3202

## Tritanomaly

87.3708, 0.3101, 0.3143

# Monochromacy



## Original Color

87.3957, 0.3131, 0.3211

## Achromatopsia

87.9622, 0.3127, 0.3290

## Achromatomaly

87.8459, 0.3129, 0.3260

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.3957, 0.3131, 0.3211 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, 238, 246)` looks like.

```
.text, #text, p{  
    color:rgb(246, 238, 246)  
}
```

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, 238, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 238, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 87.3957, 0.3131, 0.3211 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, 238, 246) }
```

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

```
.border{ border-color:rgb(246, 238, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 238, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(246, 238, 246); -webkit-box-shadow:4px 4px 4px 4px rgb(246, 238, 246); box-shadow:4px 4px 4px 4px rgb(246, 238, 246) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.3957, 0.3131, 0.3211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 238, 246) }
```

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

```
.background{ background-color: rgb(246,  
238, 246) }
```

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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