

# Converting Colors

$Yxy(82.8821, 0.3154, 0.3257)$

Have a look what the booklet for  
Yxy(82.8821, 0.3154, 0.3257)  
contains.

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# Color

**Yxy(82.8592, 0.3156, 0.3260)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F0E9EC
RGB	240, 233, 236
RGB Percent	94%, 91%, 93%
CMY	0.0587, 0.0863, 0.0746
CMYK	0.00, 0.03, 0.02, 0.06
HSL	335°, 19%, 93%
HSV	335°, 3%, 94%
XYZ	80.2158, 82.8592, 91.0943
YIQ	235.4350, 3.2090, 2.4170

# Conversions

## Conversions Part 2

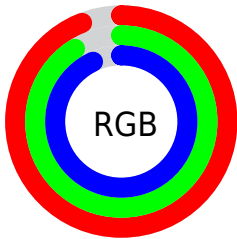
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	240, 233, 236
Decimal	15788524
CIE Lab	92.95, 2.89, -0.61
CIE LCh	93, 2.948, 348.156
Yxy	82.8592, 0.3156, 0.3260
Android (android.graphics.Color)	4293978604 (0xFFFF0E9EC)
YUV	235.4350, 0.2785, 4.0035
Hunter-Lab	91.0270, -1.9976, 4.3851

# Details

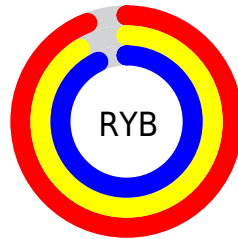
The Yxy color **82.8592, 0.3156, 0.3260** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **85.7766, 0.3099, 0.3320**, and the grayscale version is **83.4255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.9299, 0.3164, 0.3251** is the 20% darker color. If you saturate the color by 10%, you get **69.4091, 0.3268, 0.3153**, and if you desaturate by 10%, it is **96.9417, 0.3064, 0.3340**.

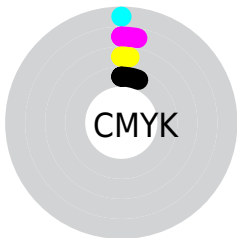
# Distribution



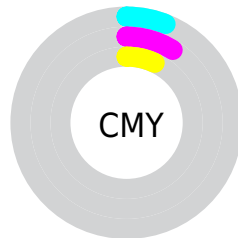
- Red (94%)
- Green (91%)
- Blue (93%)



- Red (94%)
- Yellow (91%)
- Blue (93%)



- Cyan (0%)
- Magenta (3%)
- Yellow (2%)
- Black (6%)




- Cyan (6%)
- Magenta (9%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.8592, 0.3156, 0.3260 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 82.8592, 0.3156, 0.3260 by changing the saturation by 10% instead.



 82.8592, 0.3156,  
0.3260

 82.8592, 0.3156,  
0.3260


504.5172, 0.3143,  
0.3274

 62.0740, 0.3159,  
0.3257


137.3782, 0.3152,  
0.3265

 45.0925, 0.3162,  
0.3253


171.8809, 0.3150,  
0.3267

 31.5303, 0.3167,  
0.3249


211.7248, 0.3148,  
0.3268

 21.0030, 0.3173,  
0.3243

257.2943, 0.3147,  
0.3269

 13.1262, 0.3180,  
0.3235

308.9740, 0.3146,  
0.3271

 7.5155, 0.3191,  
0.3223

367.1481, 0.3145,

 3.7865, 0.3207,

0.3272

0.3206

432.2010, 0.3144,  
0.3273

■ 1.5549, 0.3235,  
0.3178

■ 0.3269, 0.3445,  
0.2955

■ 82.8592, 0.3156,  
0.3260

■ 82.8592, 0.3156,  
0.3260

■ 69.4091, 0.3268,  
0.3153

■ 96.9417, 0.3064,  
0.3340

■ 57.7909, 0.3405,  
0.3041

■ 97.2695, 0.3036,  
0.3290

■ 47.9276, 0.3569,  
0.2926

■ 39.7327, 0.3766,  
0.2814

■ 33.1121, 0.3996,  
0.2713

■ 27.9624, 0.4259,  
0.2632

■ 24.1674, 0.4547,  
0.2587

■ 21.5936, 0.4845,  
0.2588

■ 20.0791, 0.5135,  
0.2643

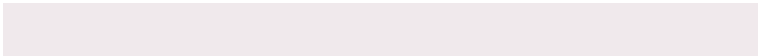
# Harmonies

## Analogous

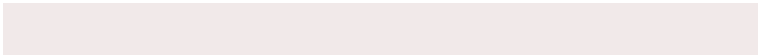
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.8592, 0.3122, 0.3239



82.8592, 0.3156, 0.3260



82.8592, 0.3182, 0.3289

# Triad

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



82.8592, 0.3156, 0.3260



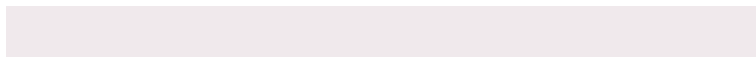
82.8592, 0.3165, 0.3349



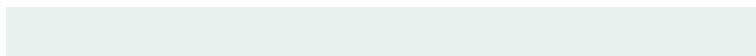
82.8592, 0.3061, 0.3262

# Complementary

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



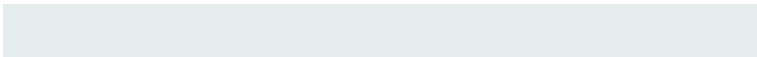
82.8592, 0.3156, 0.3260



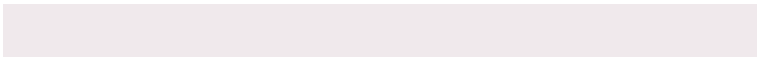
85.7766, 0.3099, 0.3320

# 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.



82.8592, 0.3072, 0.3291



82.8592, 0.3156, 0.3260



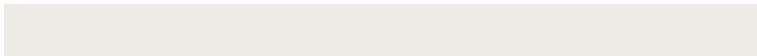
82.8592, 0.3132, 0.3342

# Square

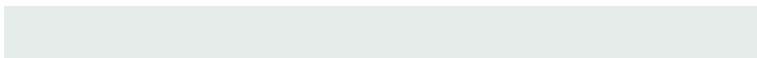
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



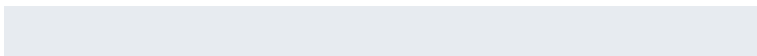
82.8592, 0.3156, 0.3260



82.8592, 0.3187, 0.3340



82.8592, 0.3098, 0.3321



82.8592, 0.3067, 0.3240

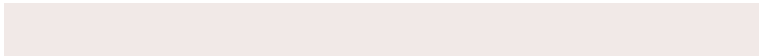


# Rectangle

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



82.8592, 0.3156, 0.3260



82.8592, 0.3192, 0.3309



82.8592, 0.3098, 0.3321



82.8592, 0.3063, 0.3271

# Sweetspot

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



82.8628, 0.3156, 0.3260



98.2892, 0.3137, 0.3280



82.5732, 0.3110, 0.3219



21.0560, 0.3136, 0.3280



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

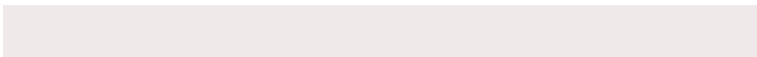
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.8628, 0.3156, 0.3260



93.2898, 0.3167, 0.3249



82.9574, 0.3174, 0.3295



17.2548, 0.3175, 0.3241



10.6833, 0.5287, 0.2686



0.9082, 0.4949, 0.2500



# Inverse Universe

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



82.8628, 0.3156, 0.3260



93.2898, 0.3167, 0.3249



85.6759, 0.3082, 0.3285



17.2548, 0.3175, 0.3241



10.6833, 0.5287, 0.2686

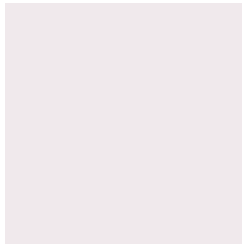


0.9082, 0.4949, 0.2500



# Previews

## White Background



This preview shows how the Yxy color 82.8592, 0.3156, 0.3260 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

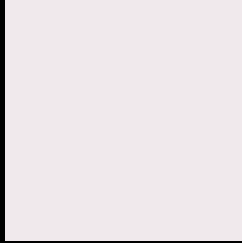
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.8592, 0.3156, 0.3260 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

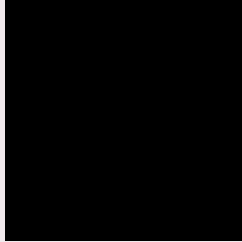
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

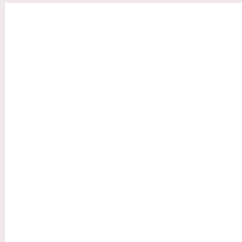
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.8592, 0.3156, 0.3260**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.8592, 0.3156, 0.3260.

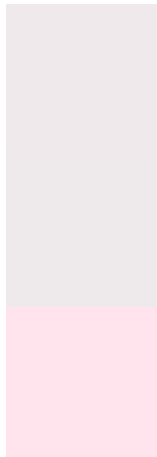


This preview shows how white text looks on a background with the Yxy color 82.8592, 0.3156, 0.3260.

# 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

82.8592, 0.3156, 0.3260

### Protanopia

83.0789, 0.3142, 0.3270

### Deuteranopia

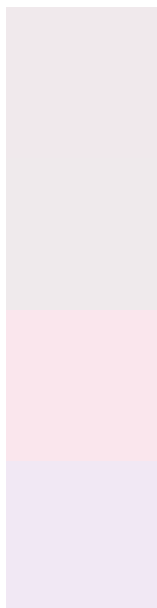
82.8612, 0.3256, 0.3202



## Tritanopia

82.8686, 0.3089, 0.3110

# Trichromacy



## Original Color

82.8592, 0.3156, 0.3260

## Protanomaly

83.2525, 0.3148, 0.3270

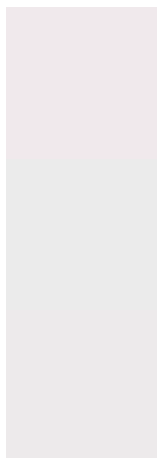
## Deuteranomaly

83.0320, 0.3220, 0.3221

## Tritanomaly

82.9457, 0.3113, 0.3169

# Monochromacy



## Original Color

82.8592, 0.3156, 0.3260

## Achromatopsia

83.0770, 0.3127, 0.3290

## Achromatomaly

82.8483, 0.3141, 0.3280

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.8592, 0.3156, 0.3260 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(240, 233, 236) looks like.

```
.text, #text, p{  
    color:rgb(240, 233, 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(240, 233, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 233, 236) }
```

## Border

The CSS property to change the border of an element to Yxy 82.8592, 0.3156, 0.3260 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(240, 233, 236) }
```

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

```
.border{ border-color:rgb(240, 233, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 233, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 233, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 233, 236);  
box-shadow:4px 4px 4px 4px rgb(240, 233,  
236) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.8592, 0.3156, 0.3260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 233, 236) }
```

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

```
.background{ background-color: rgb(240,  
233, 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](#).

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