

# Converting Colors

Yxy(87.9168, 0.3120, 0.3330)

Have a look what the booklet for  
Yxy(87.9168, 0.3120, 0.3330)  
contains.

<b>Yxy(87.6818, 0.3119, 0.3330)</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(87.6818, 0.3119, 0.3330)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDF2EE
RGB	237, 242, 238
RGB Percent	93%, 95%, 93%
CMY	0.0704, 0.0510, 0.0666
CMYK	0.02, 0.00, 0.02, 0.05
HSL	132°, 16%, 94%
HSV	132°, 2%, 95%
XYZ	82.1260, 87.6818, 93.5009
YIQ	240.0490, -1.6960, -2.3040

# Conversions

## Conversions Part 2

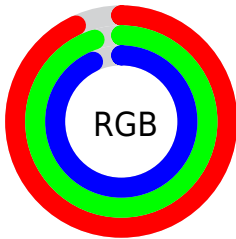
Format	Color
R <sub>Y</sub> B	237, 241, 242
Decimal	15594222
CIE Lab	95.03, -2.33, 1.33
CIE LCh	95, 2.683, 150.396
Yxy	87.6818, 0.3119, 0.3330
Android (android.graphics.Color)	4293784302 (0xFFEDF2EE)
YUV	240.0490, -1.0102, -2.6740
Hunter-Lab	93.6386, -7.3135, 6.3441

# Details

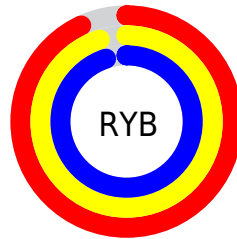
The Yxy color **87.6818, 0.3119, 0.3330** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.8286, 0.3135, 0.3250**, and the grayscale version is **87.1962, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.3190, 0.3116, 0.3342** is the 20% darker color. If you saturate the color by 10%, you get **82.7133, 0.3078, 0.3543**, and if you desaturate by 10%, it is **91.9768, 0.3133, 0.3165**.

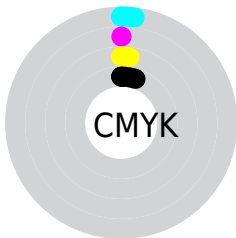
# Distribution



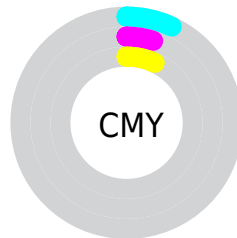
- Red (93%)
- Green (95%)
- Blue (93%)



- Red (93%)
- Yellow (95%)
- Blue (95%)



- Cyan (2%)
- Magenta (0%)
- Yellow (2%)
- Black (5%)



- Cyan (7%)
- Magenta (5%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.6818, 0.3119, 0.3330 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 87.6818, 0.3119, 0.3330 by changing the saturation by 10% instead.



87.6818, 0.3119,  
0.3330

87.6818, 0.3119,  
0.3330

520.4606, 0.3123,  
0.3312

66.0596, 0.3118,  
0.3334

144.1141, 0.3120,  
0.3324

48.3208, 0.3117,  
0.3339

179.6929, 0.3121,  
0.3322

34.0810, 0.3116,  
0.3345

220.6927, 0.3121,  
0.3319

22.9558, 0.3114,  
0.3353

267.4980, 0.3122,  
0.3318

14.5609, 0.3112,  
0.3363

320.4930, 0.3122,  
0.3316

8.5118, 0.3109,  
0.3377

380.0622, 0.3122,

4.4241, 0.3104,

0.3315

0.3399

446.5899, 0.3122,  
0.3313

■ 1.9135, 0.3097,  
0.3435

■ 0.5565, 0.3061,  
0.3610

■ 87.6818, 0.3119,  
0.3330

■ 87.6818, 0.3119,  
0.3330

■ 82.7133, 0.3078,  
0.3543

■ 91.9768, 0.3133,  
0.3165

■ 78.4006, 0.3038,  
0.3782

■ 74.7194, 0.2999,  
0.4048

■ 71.6397, 0.2964,  
0.4337

■ 69.1292, 0.2936,  
0.4639

■ 67.1523, 0.2917,  
0.4944

■ 65.6694, 0.2910,  
0.5235

■ 64.6352, 0.2915,  
0.5494

■ 63.9957, 0.2933,  
0.5703

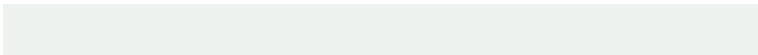
# Harmonies

## Analogous

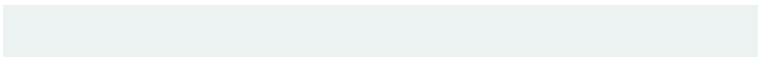
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.6818, 0.3150, 0.3342



87.6818, 0.3119, 0.3330



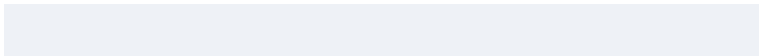
87.6818, 0.3091, 0.3307

# Triad

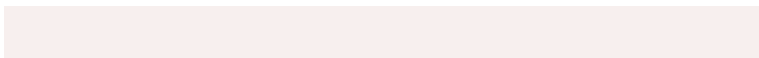
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.6818, 0.3119, 0.3330



87.6818, 0.3080, 0.3241



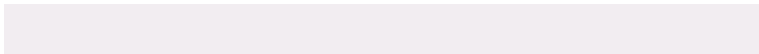
87.6818, 0.3182, 0.3300

# Complementary

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



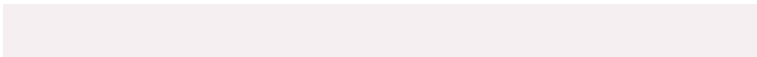
87.6818, 0.3119, 0.3330



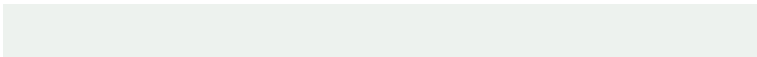
85.8286, 0.3135, 0.3250

# Split Complementary

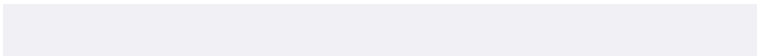
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.6818, 0.3164, 0.3273



87.6818, 0.3119, 0.3330



87.6818, 0.3105, 0.3239

# Square

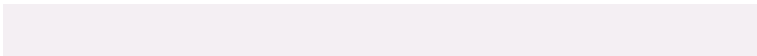
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



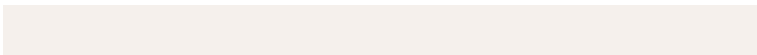
87.6818, 0.3119, 0.3330



87.6818, 0.3069, 0.3256



87.6818, 0.3135, 0.3251



87.6818, 0.3186, 0.3325

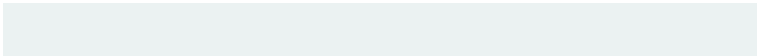


# Rectangle

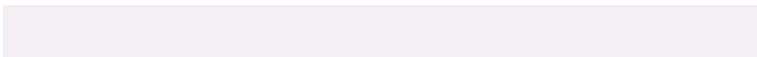
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



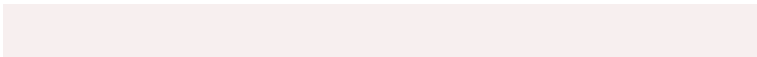
87.6818, 0.3119, 0.3330



87.6818, 0.3077, 0.3289



87.6818, 0.3135, 0.3251



87.6818, 0.3178, 0.3291

# Sweetspot

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



87.6856, 0.3119, 0.3330



99.3882, 0.3123, 0.3310



88.3301, 0.3151, 0.3340



21.2796, 0.3123, 0.3309



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

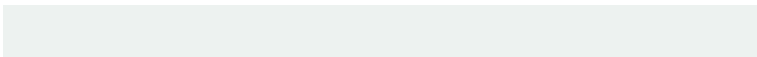
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.6856, 0.3119, 0.3330



98.7842, 0.3119, 0.3329



87.8278, 0.3105, 0.3306



18.5164, 0.3120, 0.3327



34.2422, 0.2946, 0.5806



2.8622, 0.2882, 0.5577



# Inverse Universe

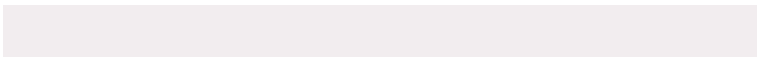
The Inverse Universe completely reimagines the original color for something new.



85.8286, 0.3135, 0.3250



96.7249, 0.3135, 0.3251



85.6859, 0.3150, 0.3274



18.1518, 0.3135, 0.3253



12.2676, 0.3776, 0.1854

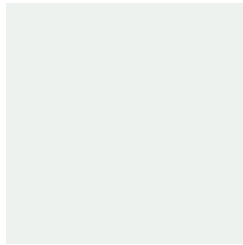


1.0340, 0.3687, 0.1805



# Previews

## White Background



This preview shows how the Yxy color 87.6818, 0.3119, 0.3330 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

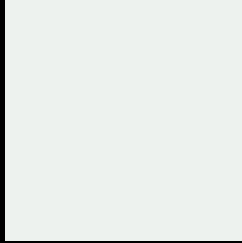
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.6818, 0.3119, 0.3330 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

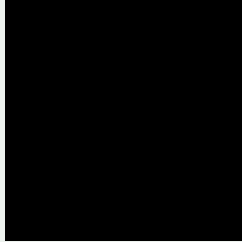
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

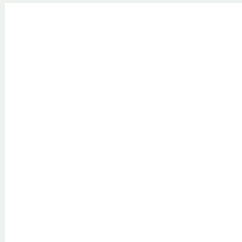
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 87.6818, 0.3119, 0.3330**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.6818, 0.3119, 0.3330.

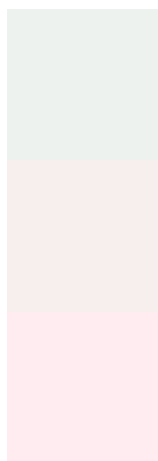


This preview shows how white text looks on a background with the Yxy color 87.6818, 0.3119, 0.3330.

# 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

87.6818, 0.3119, 0.3330

### Protanopia

87.4403, 0.3186, 0.3310

### Deuteranopia

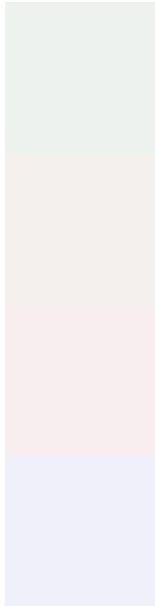
87.5422, 0.3230, 0.3251



## Tritanopia

87.4783, 0.3037, 0.3131

# Trichromacy



## Original Color

87.6818, 0.3119, 0.3330

## Protanomaly

87.4893, 0.3165, 0.3320

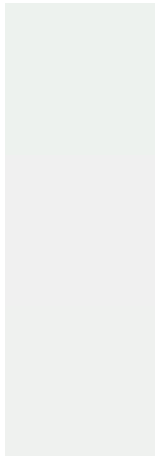
## Deuteranomaly

87.3375, 0.3187, 0.3280

## Tritanomaly

87.5105, 0.3066, 0.3200

# Monochromacy



## Original Color

87.6818, 0.3119, 0.3330

## Achromatopsia

87.1367, 0.3127, 0.3290

## Achromatomaly

87.4933, 0.3126, 0.3310

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.6818, 0.3119, 0.3330 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(237, 242, 238)` looks like.

```
.text, #text, p{  
    color:rgb(237, 242, 238)  
}
```

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(237, 242, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 242, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 87.6818, 0.3119, 0.3330 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(237, 242, 238) }
```

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

```
.border{ border-color:rgb(237, 242, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 242, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 242, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 242, 238);  
box-shadow:4px 4px 4px 4px rgb(237, 242,  
238) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.6818, 0.3119, 0.3330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 242, 238) }
```

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

```
.background{ background-color: rgb(237,  
242, 238) }
```

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