

# Converting Colors

$Y_{xy}(84.1077, 0.3140, 0.3320)$

Have a look what the booklet for  
Yxy(84.1077, 0.3140, 0.3320)  
contains.

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# Color

**Yxy(84.3418, 0.3139, 0.3321)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECEDEA
RGB	236, 237, 234
RGB Percent	93%, 93%, 92%
CMY	0.0746, 0.0705, 0.0824
CMYK	0.00, 0.00, 0.01, 0.07
HSL	80°, 8%, 92%
HSV	80°, 1%, 93%
XYZ	79.7196, 84.3418, 89.9036
YIQ	236.3590, 0.3670, -1.1450

# Conversions

## Conversions Part 2

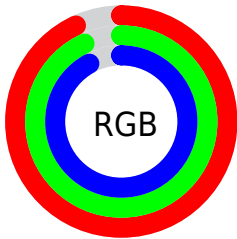
Format	Color
<a href="#">RYB</a>	<a href="#">234, 237, 235</a>
Decimal	<a href="#">15527402</a>
CIELab	<a href="#">93.60, -0.88, 1.33</a>
CIElCh	<a href="#">94, 1.595, 123.281</a>
Yxy	<a href="#">84.3418, 0.3139, 0.3321</a>
Android (android.graphics.Color)	<a href="#">4293717482 (0xFFECEDEA)</a>
YUV	<a href="#">236.3590, -1.1630, -0.3148</a>
Hunter-Lab	<a href="#">91.8378, -5.7695, 6.2451</a>

# Details

The Yxy color **84.3418, 0.3139, 0.3321** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **82.6144, 0.3115, 0.3259**, and the grayscale version is **84.1782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.9654, 0.3142, 0.3330** is the 20% darker color. If you saturate the color by 10%, you get **81.7205, 0.3232, 0.3574**, and if you desaturate by 10%, it is **87.0414, 0.3064, 0.3113**.

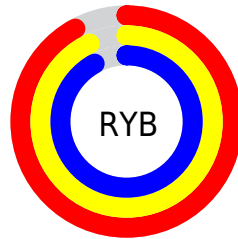
# Distribution



Red (93%)

Green (93%)

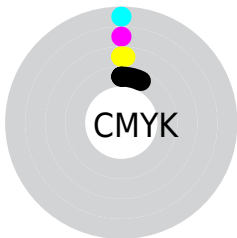
Blue (92%)



Red (92%)

Yellow (93%)

Blue (92%)

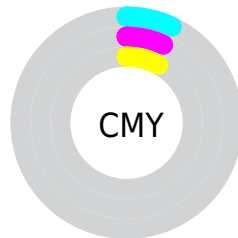


Cyan (0%)

Magenta (0%)

Yellow (1%)

Black (7%)



Cyan (7%)

Magenta (7%)

Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.3418, 0.3139, 0.3321 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 84.3418, 0.3139, 0.3321 by changing the saturation by 10% instead.



■ 84.3418, 0.3139,  
0.3321

■ 84.3418, 0.3139,  
0.3321

509.4476, 0.3134,  
0.3307

■ 63.2977, 0.3140,  
0.3324

139.4532, 0.3137,  
0.3316

■ 46.0821, 0.3142,  
0.3328

174.2893, 0.3136,  
0.3314

■ 32.3106, 0.3143,  
0.3333

214.4914, 0.3136,  
0.3313

■ 21.5988, 0.3146,  
0.3339

260.4441, 0.3135,  
0.3311

■ 13.5624, 0.3149,  
0.3347

312.5316, 0.3135,  
0.3310

■ 7.8170, 0.3153,  
0.3358

371.1385, 0.3134,

■ 3.9781, 0.3160,

0.3309

436.6490, 0.3134,  
0.3308

0.3376

1.6613, 0.3170,  
0.3405

0.3984, 0.3259,  
0.3634

84.3418, 0.3139,  
0.3321

84.3418, 0.3139,  
0.3321

81.7205, 0.3232,  
0.3574

87.0414, 0.3064,  
0.3113

79.3324, 0.3326,  
0.3842

88.5201, 0.3117,  
0.3116

77.1727, 0.3416,  
0.4121

89.0567, 0.3135,  
0.3117

75.2323, 0.3498,  
0.4403

■ 73.5014, 0.3567,  
0.4677

■ 71.9694, 0.3618,  
0.4930

■ 70.6244, 0.3648,  
0.5151

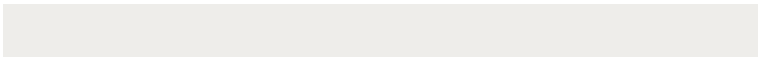
■ 69.4528, 0.3652,  
0.5327

■ 68.4387, 0.3631,  
0.5453

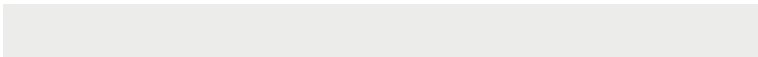
# Harmonies

## Analogous

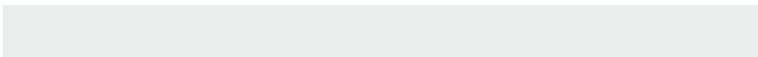
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.3418, 0.3154, 0.3321



84.3418, 0.3139, 0.3321



84.3418, 0.3121, 0.3313

# Triad

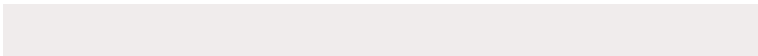
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.3418, 0.3139, 0.3321



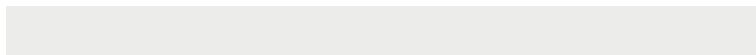
84.3418, 0.3092, 0.3268



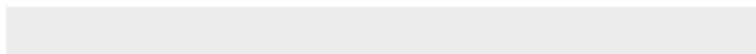
84.3418, 0.3151, 0.3282

# Complementary

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



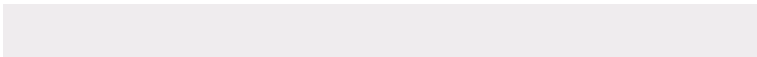
84.3418, 0.3139, 0.3321



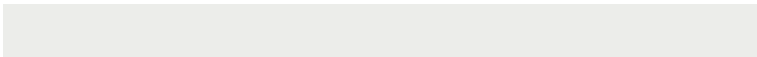
82.6144, 0.3115, 0.3259

# Split Complementary

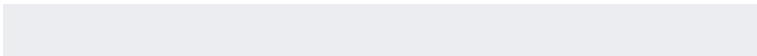
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.3418, 0.3134, 0.3268



84.3418, 0.3139, 0.3321



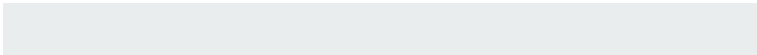
84.3418, 0.3100, 0.3260

# Square

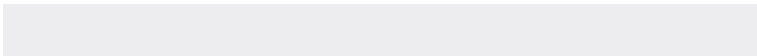
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



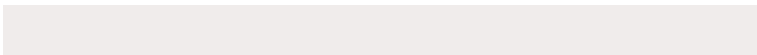
84.3418, 0.3139, 0.3321



84.3418, 0.3094, 0.3282



84.3418, 0.3115, 0.3260



84.3418, 0.3161, 0.3298

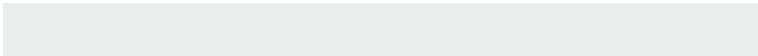


# Rectangle

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



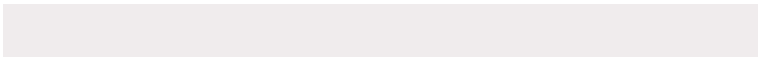
84.3418, 0.3139, 0.3321



84.3418, 0.3109, 0.3304



84.3418, 0.3115, 0.3260



84.3418, 0.3146, 0.3276

# Sweetspot

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



84.3454, 0.3139, 0.3321

100.0000, 0.3127, 0.3290



83.3582, 0.3147, 0.3300



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

# Same Dimension

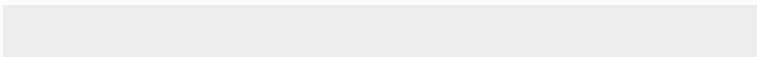
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.3454, 0.3139, 0.3321



99.3474, 0.3146, 0.3339



84.0909, 0.3129, 0.3321



17.7767, 0.3145, 0.3336



37.0105, 0.3606, 0.5519



2.9589, 0.3688, 0.5454

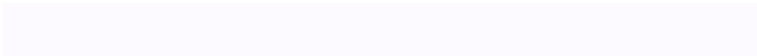


# Inverse Universe

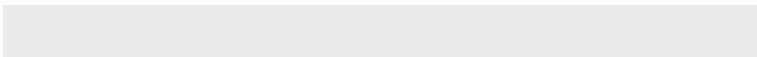
The Inverse Universe completely reimagines the original color for something new.



82.6144, 0.3115, 0.3259



96.1573, 0.3108, 0.3241



82.8697, 0.3125, 0.3259



17.2386, 0.3109, 0.3244



4.3547, 0.1757, 0.0742

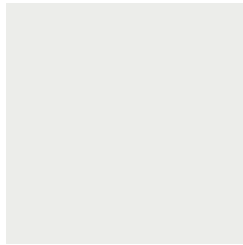


0.3933, 0.1909, 0.0825



# Previews

## White Background



This preview shows how the Yxy color 84.3418, 0.3139, 0.3321 looks on a white background.

## Color Contrast Check

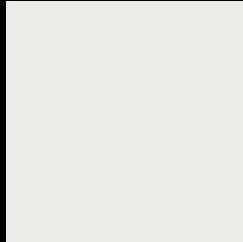
Large Text (above 18pt) WCAG AA × Fail

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 84.3418, 0.3139, 0.3321 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

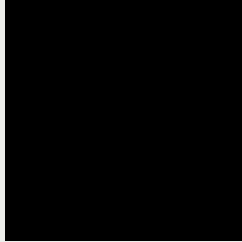
Any Text WCAG AAA ✓ Pass

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

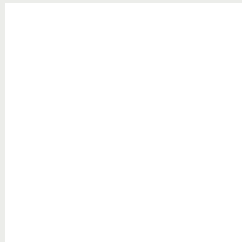


**Yxy 84.3418, 0.3139, 0.3321**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.3418, 0.3139, 0.3321.

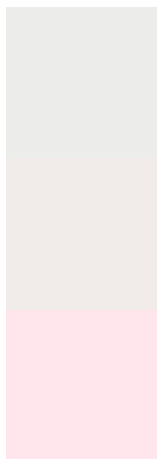


This preview shows how white text looks on a background with the Yxy color 84.3418, 0.3139, 0.3321.

# 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

84.3418, 0.3139, 0.3321

### Protanopia

84.0006, 0.3180, 0.3310

### Deuteranopia

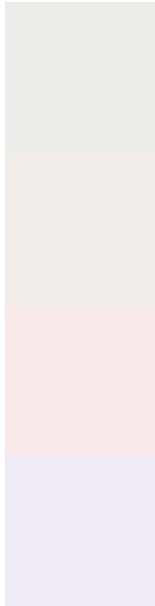
83.9098, 0.3261, 0.3231



## Tritanopia

84.2882, 0.3044, 0.3100

# Trichromacy



## Original Color

84.3418, 0.3139, 0.3321

## Protanomaly

84.2248, 0.3166, 0.3321

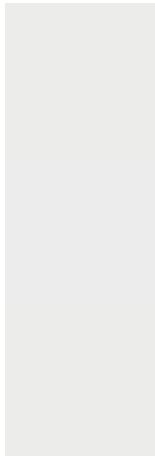
## Deuteranomaly

84.2324, 0.3216, 0.3270

## Tritanomaly

84.2476, 0.3079, 0.3179

# Monochromacy



## Original Color

84.3418, 0.3139, 0.3321

## Achromatopsia

83.8799, 0.3127, 0.3290

## Achromatomaly

83.8219, 0.3133, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.3418, 0.3139, 0.3321 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(236, 237, 234)` looks like.

```
.text, #text, p{  
    color:rgb(236, 237, 234)  
}
```

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(236, 237, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 237, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 84.3418, 0.3139, 0.3321 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(236, 237, 234) }
```

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

```
.border{ border-color:rgb(236, 237, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 237, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 237, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 237, 234);  
box-shadow:4px 4px 4px 4px rgb(236, 237,  
234) }
```

# Background

The CSS property to change the background color of an element to Yxy 84.3418, 0.3139, 0.3321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 237, 234) }
```

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

```
.background{ background-color: rgb(236,  
237, 234) }
```

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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