

# Converting Colors

$Y_{xy}(82.2172, 0.3129, 0.3250)$

Have a look what the booklet for  
Yxy(82.2172, 0.3129, 0.3250)  
contains.

<b>Yxy(82.3968, 0.3129, 0.3249)</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(82.3968, 0.3129, 0.3249)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDE9ED
RGB	237, 233, 237
RGB Percent	93%, 91%, 93%
CMY	0.0706, 0.0863, 0.0705
CMYK	0.00, 0.02, 0.00, 0.07
HSL	300°, 10%, 92%
HSV	300°, 2%, 93%
XYZ	79.3535, 82.3968, 91.8563
YIQ	234.6520, 1.1000, 2.0920

# Conversions

## Conversions Part 2

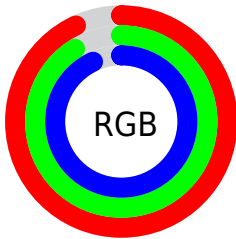
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	237, 233, 237
Decimal	15591917
CIE Lab	92.75, 2.06, -1.48
CIE LCh	93, 2.537, 324.338
Yxy	82.3968, 0.3129, 0.3249
Android (android.graphics.Color)	4293781997 (0xFFE9E9ED)
YUV	234.6520, 1.1576, 2.0592
Hunter-Lab	90.7727, -2.8074, 3.5431

# Details

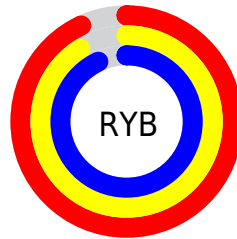
The Yxy color **82.3968, 0.3129, 0.3249** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **83.7891, 0.3125, 0.3331**, and the grayscale version is **82.7935, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.6042, 0.3130, 0.3237** is the 20% darker color. If you saturate the color by 10%, you get **69.8570, 0.3140, 0.3002**, and if you desaturate by 10%, it is **95.6540, 0.3119, 0.3469**.

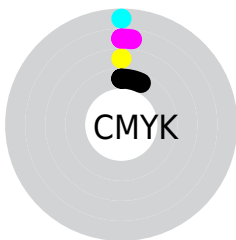
# Distribution



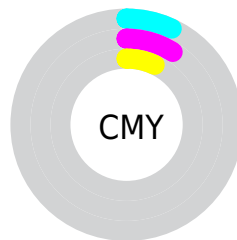
- Red (93%)
- Green (91%)
- Blue (93%)



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



- Cyan (0%)
- Magenta (2%)
- Yellow (0%)
- Black (7%)



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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.3968, 0.3129, 0.3249 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 82.3968, 0.3129, 0.3249 by changing the saturation by 10% instead.



82.3968, 0.3129,  
0.3249

82.3968, 0.3129,  
0.3249

502.9740, 0.3128,  
0.3268

61.6927, 0.3129,  
0.3245

136.7303, 0.3129,  
0.3255

44.7844, 0.3129,  
0.3240

171.1285, 0.3129,  
0.3258

31.2876, 0.3130,  
0.3233

210.8601, 0.3129,  
0.3260

20.8180, 0.3130,  
0.3225

256.3096, 0.3128,  
0.3262

12.9910, 0.3130,  
0.3214

307.8613, 0.3128,  
0.3264

7.4224, 0.3131,  
0.3199

365.8997, 0.3128,

3.7276, 0.3132,

0.3265

0.3176

430.8091, 0.3128,  
0.3266

■ 1.5224, 0.3133,  
0.3137

■ 0.3044, 0.3148,  
0.2821

■ 82.3968, 0.3129,  
0.3249

■ 82.3968, 0.3129,  
0.3249

■ 69.8570, 0.3140,  
0.3002

■ 95.6540, 0.3119,  
0.3469

■ 59.0448, 0.3151,  
0.2751

■ 95.6666, 0.3120,  
0.3469

■ 49.8875, 0.3162,  
0.2502

■ 95.6793, 0.3120,  
0.3469

■ 42.3035, 0.3172,  
0.2266

■ 95.6920, 0.3120,  
0.3469

36.2041, 0.3182,  
0.2051

95.7047, 0.3121,  
0.3469

31.4919, 0.3189,  
0.1867

95.7174, 0.3121,  
0.3469

28.0577, 0.3195,  
0.1722

95.7300, 0.3122,  
0.3469

25.7762, 0.3199,  
0.1620

95.7427, 0.3122,  
0.3469

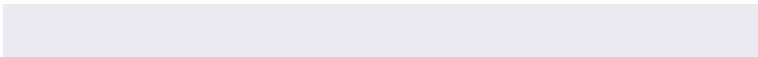
24.4969, 0.3201,  
0.1561

95.7554, 0.3123,  
0.3469

# Harmonies

## Analogous

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



82.3968, 0.3100, 0.3240



82.3968, 0.3129, 0.3249



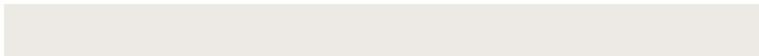
82.3968, 0.3157, 0.3269

# Triad

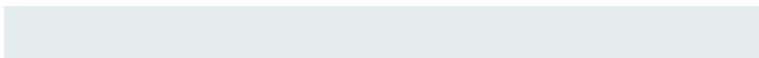
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.3968, 0.3129, 0.3249



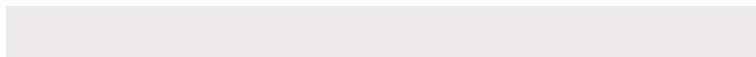
82.3968, 0.3176, 0.3336



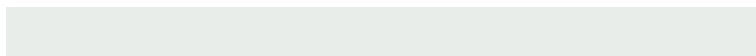
82.3968, 0.3077, 0.3286

# Complementary

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



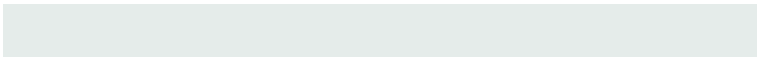
82.3968, 0.3129, 0.3249



83.7891, 0.3125, 0.3331

# 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.



82.3968, 0.3097, 0.3312



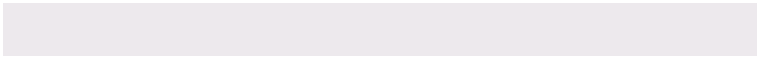
82.3968, 0.3129, 0.3249



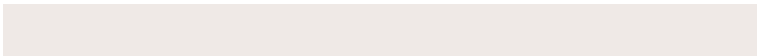
82.3968, 0.3154, 0.3341

# Square

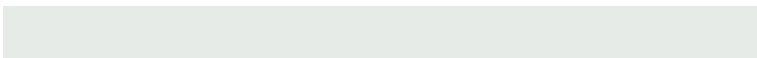
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



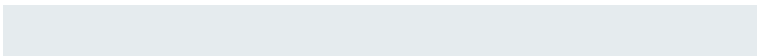
82.3968, 0.3129, 0.3249



82.3968, 0.3185, 0.3319



82.3968, 0.3125, 0.3332



82.3968, 0.3070, 0.3261

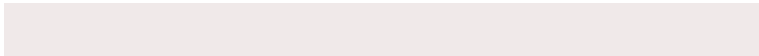


# Rectangle

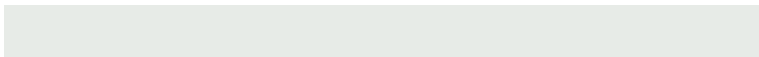
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



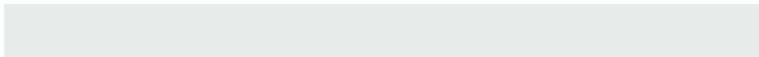
82.3968, 0.3129, 0.3249



82.3968, 0.3172, 0.3286



82.3968, 0.3125, 0.3332



82.3968, 0.3082, 0.3294

# Sweetspot

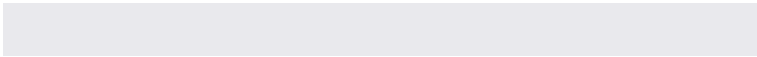
The Sweet Spot groups the original color and five complimentary colors.



82.4003, 0.3129, 0.3249



98.3823, 0.3128, 0.3266



81.7565, 0.3102, 0.3249



21.0749, 0.3128, 0.3267



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

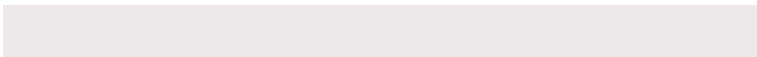
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.4003, 0.3129, 0.3249



96.7861, 0.3129, 0.3241



82.2896, 0.3141, 0.3269



17.3446, 0.3129, 0.3244



13.1003, 0.3202, 0.1537

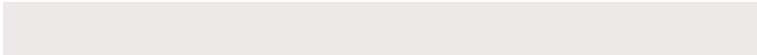


1.0295, 0.3203, 0.1538



# Inverse Universe

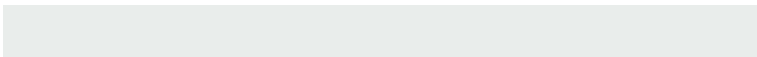
The Inverse Universe completely reimagines the original color for something new.



82.1709, 0.3154, 0.3290



96.4659, 0.3159, 0.3290



83.8986, 0.3113, 0.3311



17.2906, 0.3157, 0.3290



9.8310, 0.6397, 0.3298

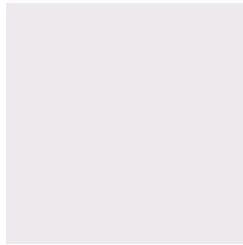


0.7722, 0.6388, 0.3293



# Previews

## White Background



This preview shows how the Yxy color 82.3968, 0.3129, 0.3249 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 82.3968, 0.3129, 0.3249 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

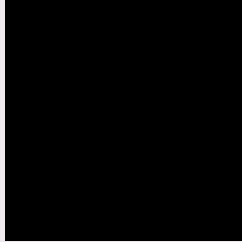
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

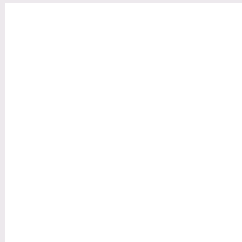
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.3968, 0.3129, 0.3249**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.3968, 0.3129, 0.3249.

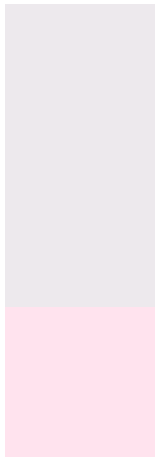


This preview shows how white text looks on a background with the Yxy color 82.3968, 0.3129, 0.3249.

# 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

82.3968, 0.3129, 0.3249

### Protanopia

82.3968, 0.3129, 0.3249

### Deuteranopia

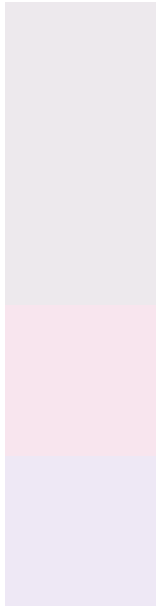
82.3712, 0.3250, 0.3182



## Tritanopia

82.3421, 0.3069, 0.3109

# Trichromacy



## Original Color

82.3968, 0.3129, 0.3249

## Protanomaly

82.3968, 0.3129, 0.3249

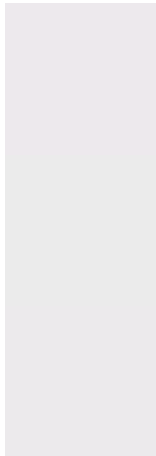
## Deuteranomaly

82.1681, 0.3200, 0.3200

## Tritanomaly

82.4829, 0.3086, 0.3159

# Monochromacy



## Original Color

82.3968, 0.3129, 0.3249

## Achromatopsia

83.0770, 0.3127, 0.3290

## Achromatomaly

82.7346, 0.3128, 0.3270

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.3968, 0.3129, 0.3249 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, 233, 237)` looks like.

```
.text, #text, p{  
    color:rgb(237, 233, 237)  
}
```

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, 233, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 233, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 82.3968, 0.3129, 0.3249 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, 233, 237) }
```

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

```
.border{ border-color:rgb(237, 233, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 233, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 233, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 233, 237);  
box-shadow:4px 4px 4px 4px rgb(237, 233,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.3968, 0.3129, 0.3249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 233, 237) }
```

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

```
.background{ background-color: rgb(237,  
233, 237) }
```

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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