

# Converting Colors

$Y_{xy}(81.1268, 0.3116, 0.3266)$

Have a look what the booklet for  
Yxy(81.1268, 0.3116, 0.3266)  
contains.

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# Color

**Yxy(81.0350, 0.3115, 0.3259)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9E8EB
RGB	233, 232, 235
RGB Percent	91%, 91%, 92%
CMY	0.0863, 0.0902, 0.0784
CMYK	0.01, 0.01, 0.00, 0.08
HSL	260°, 7%, 92%
HSV	260°, 1%, 92%
XYZ	77.4544, 81.0350, 90.1605
YIQ	232.6410, -0.3670, 1.1450

# Conversions

## Conversions Part 2

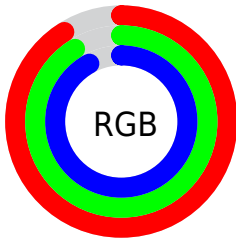
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	233, 232, 235
Decimal	15329515
CIE Lab	92.15, 0.87, -1.35
CIE LCh	92, 1.605, 302.907
Yxy	81.0350, 0.3115, 0.3259
Android (android.graphics.Color)	4293519595 (0xFFE9E8EB)
YUV	232.6410, 1.1630, 0.3148
Hunter-Lab	90.0194, -3.9492, 3.6307

# Details

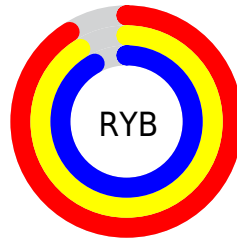
The Yxy color **81.0350, 0.3115, 0.3259** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.7438, 0.3139, 0.3321**, and the grayscale version is **81.1943, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.6525, 0.3112, 0.3250** is the 20% darker color. If you saturate the color by 10%, you get **66.1400, 0.3011, 0.3001**, and if you desaturate by 10%, it is **97.6190, 0.3204, 0.3485**.

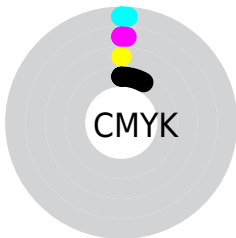
# Distribution



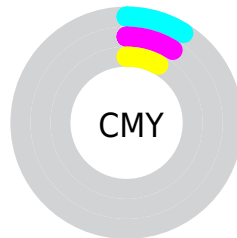
- Red (91%)
- Green (91%)
- Blue (92%)



- Red (91%)
- Yellow (91%)
- Blue (92%)



- Cyan (1%)
- Magenta (1%)
- Yellow (0%)
- Black (8%)



- Cyan (9%)
- Magenta (9%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.0350, 0.3115, 0.3259 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 81.0350, 0.3115, 0.3259 by changing the saturation by 10% instead.



■ 81.0350, 0.3115,  
0.3259

■ 81.0350, 0.3115,  
0.3259

498.4140, 0.3121,  
0.3273

■ 60.5704, 0.3114,  
0.3256

134.8199, 0.3117,  
0.3264

■ 43.8786, 0.3112,  
0.3252

168.9090, 0.3118,  
0.3266

■ 30.5751, 0.3110,  
0.3247

208.3085, 0.3118,  
0.3267

■ 20.2755, 0.3108,  
0.3241

253.4026, 0.3119,  
0.3269

■ 12.5955, 0.3104,  
0.3232

304.5758, 0.3119,  
0.3270

■ 7.1506, 0.3100,  
0.3220

362.2126, 0.3120,

■ 3.5564, 0.3092,

0.3271

426.6972, 0.3120,  
0.3272

0.3202

■ 1.4287, 0.3080,  
0.3171

■ 0.2377, 0.2950,  
0.2837

■ 81.0350, 0.3115,  
0.3259

■ 81.0350, 0.3115,  
0.3259

■ 66.1400, 0.3011,  
0.3001

■ 97.6190, 0.3204,  
0.3485

■ 53.1726, 0.2891,  
0.2718

■ 98.7786, 0.3244,  
0.3483

■ 42.0555, 0.2754,  
0.2414

■ 32.7022, 0.2602,  
0.2095

■ 25.0191, 0.2439,  
0.1774

■ 18.9038, 0.2270,  
0.1467

■ 14.2419, 0.2104,  
0.1193

■ 10.9033, 0.1950,  
0.0970

■ 8.7328, 0.1818,  
0.0812

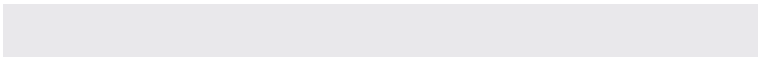
# Harmonies

## Analogous

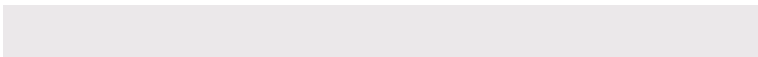
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.0350, 0.3100, 0.3259



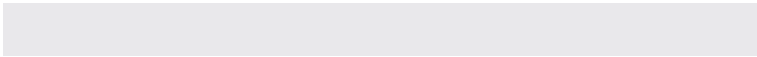
81.0350, 0.3115, 0.3259



81.0350, 0.3134, 0.3267

# Triad

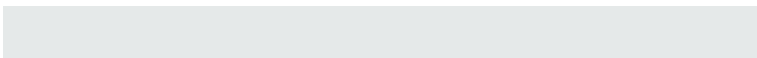
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.0350, 0.3115, 0.3259



81.0350, 0.3163, 0.3312



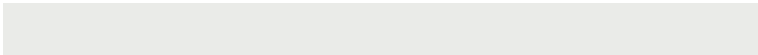
81.0350, 0.3104, 0.3299

# Complementary

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



81.0350, 0.3115, 0.3259



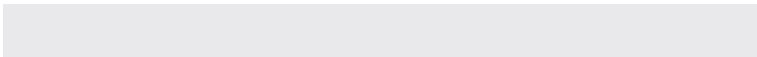
82.7438, 0.3139, 0.3321

# Split Complementary

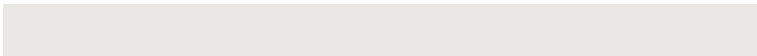
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.0350, 0.3121, 0.3314



81.0350, 0.3115, 0.3259



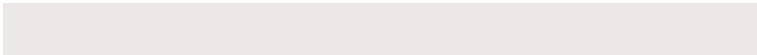
81.0350, 0.3155, 0.3321

# Square

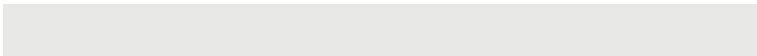
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



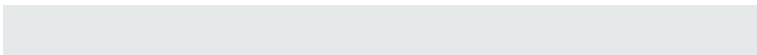
81.0350, 0.3115, 0.3259



81.0350, 0.3162, 0.3298



81.0350, 0.3139, 0.3322

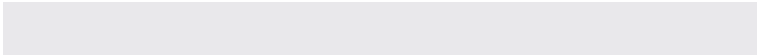


81.0350, 0.3093, 0.3283

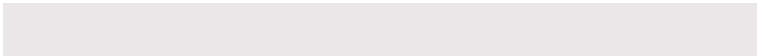


# Rectangle

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



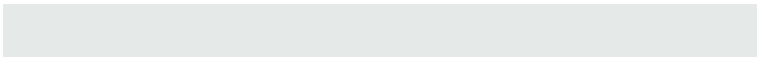
81.0350, 0.3115, 0.3259



81.0350, 0.3146, 0.3276



81.0350, 0.3139, 0.3322



81.0350, 0.3109, 0.3305

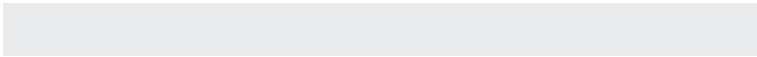
# Sweetspot

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



81.0385, 0.3115, 0.3259

100.0000, 0.3127, 0.3290



82.0340, 0.3108, 0.3280



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.



81.0385, 0.3115, 0.3259



96.1448, 0.3108, 0.3241



81.2862, 0.3125, 0.3259



17.2365, 0.3109, 0.3244



4.2793, 0.1739, 0.0732

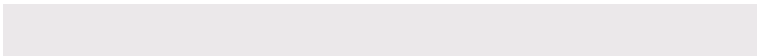


0.3865, 0.1889, 0.0815



# Inverse Universe

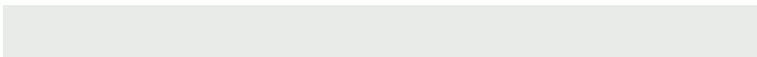
The Inverse Universe completely reimagines the original color for something new.



81.3230, 0.3135, 0.3269



96.6818, 0.3139, 0.3257



82.4967, 0.3129, 0.3321



17.3270, 0.3139, 0.3259



11.2271, 0.4251, 0.2115

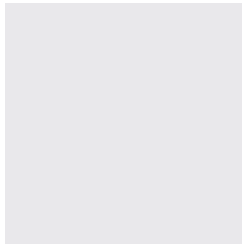


0.8992, 0.4070, 0.2016



# Previews

## White Background



This preview shows how the Yxy color 81.0350, 0.3115, 0.3259 looks on a white background.

## Color Contrast Check

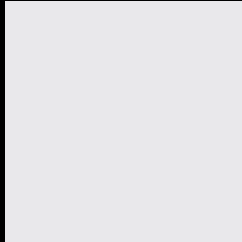
Large Text (above 18pt) WCAG AA × Fail

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 81.0350, 0.3115, 0.3259 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

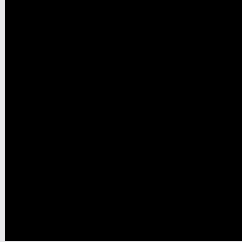
Any Text WCAG AAA ✓ Pass

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

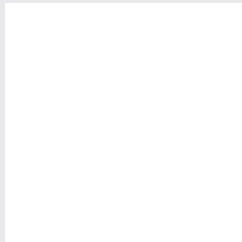


**Yxy 81.0350, 0.3115, 0.3259**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.0350, 0.3115, 0.3259.

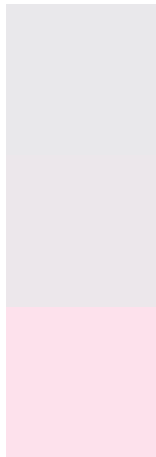


This preview shows how white text looks on a background with the Yxy color 81.0350, 0.3115, 0.3259.

# 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

81.0350, 0.3115, 0.3259

### Protanopia

80.9829, 0.3136, 0.3249

### Deuteranopia

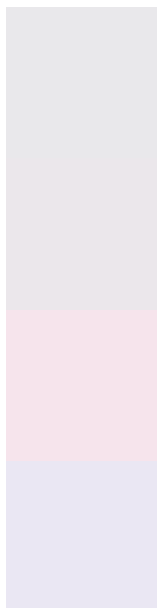
80.7892, 0.3251, 0.3181



## Tritanopia

81.0331, 0.3048, 0.3107

# Trichromacy



## Original Color

81.0350, 0.3115, 0.3259

## Protanomaly

80.8122, 0.3129, 0.3249

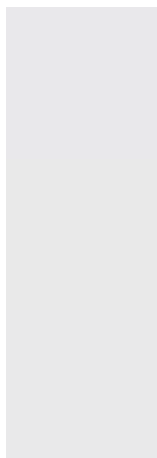
## Deuteranomaly

81.1358, 0.3200, 0.3210

## Tritanomaly

81.1153, 0.3072, 0.3167

# Monochromacy



## Original Color

81.0350, 0.3115, 0.3259

## Achromatopsia

81.4847, 0.3127, 0.3290

## Achromatomaly

81.5420, 0.3121, 0.3280

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.0350, 0.3115, 0.3259 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(233, 232, 235)` looks like.

```
.text, #text, p{  
    color:rgb(233, 232, 235)  
}
```

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(233, 232, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 232, 235) }
```

## Border

The CSS property to change the border of an element to Yxy 81.0350, 0.3115, 0.3259 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(233, 232, 235) }
```

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

```
.border{ border-color:rgb(233, 232, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 232, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 232, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 232, 235);  
box-shadow:4px 4px 4px 4px rgb(233, 232,  
235) }
```

# Background

The CSS property to change the background color of an element to Yxy 81.0350, 0.3115, 0.3259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 232, 235) }
```

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

```
.background{ background-color: rgb(233,  
232, 235) }
```

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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