

# Converting Colors

$Y_{xy}(82.1700, 0.3130, 0.3439)$

Have a look what the booklet for  
Yxy(82.1700, 0.3130, 0.3439)  
contains.

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# Color

**Yxy(81.9036, 0.3134, 0.3438)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1EDDF
RGB	225, 237, 223
RGB Percent	88%, 93%, 87%
CMY	0.1175, 0.0706, 0.1256
CMYK	0.05, 0.00, 0.06, 0.07
HSL	111°, 28%, 90%
HSV	111°, 6%, 93%
XYZ	74.6614, 81.9036, 81.6654
YIQ	231.8160, -2.6580, -6.8980

# Conversions

## Conversions Part 2

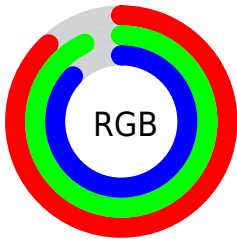
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	223, 237, 235
Decimal	14806495
CIE Lab	92.53, -6.47, 5.41
CIE LCh	93, 8.434, 140.098
Yxy	81.9036, 0.3134, 0.3438
Android (android.graphics.Color)	4292996575 (0xFFE1EDDF)
YUV	231.8160, -4.3463, -5.9776
Hunter-Lab	90.5006, -11.1167, 9.8487

# Details

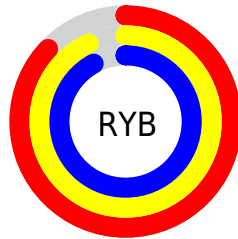
The Yxy color **81.9036, 0.3134, 0.3438** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.5244, 0.3120, 0.3145**, and the grayscale version is **80.5913, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.4209, 0.3136, 0.3468** is the 20% darker color. If you saturate the color by 10%, you get **77.6595, 0.3144, 0.3713**, and if you desaturate by 10%, it is **86.7178, 0.3122, 0.3194**.

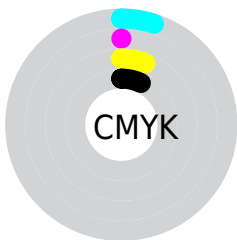
# Distribution



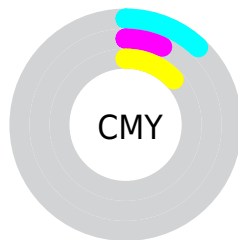
- Red (88%)
- Green (93%)
- Blue (87%)



- Red (87%)
- Yellow (93%)
- Blue (92%)



- Cyan (5%)
- Magenta (0%)
- Yellow (6%)
- Black (7%)



- Cyan (12%)
- Magenta (7%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.9036, 0.3134, 0.3438 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 81.9036, 0.3134, 0.3438 by changing the saturation by 10% instead.



81.9036, 0.3134,  
0.3438

81.9036, 0.3134,  
0.3438

501.3252, 0.3131,  
0.3370

61.2861, 0.3135,  
0.3453

136.0388, 0.3133,  
0.3415

44.4561, 0.3135,  
0.3472

170.3253, 0.3133,  
0.3406

31.0292, 0.3136,  
0.3496

209.9369, 0.3132,  
0.3398

20.6211, 0.3137,  
0.3527

255.2579, 0.3132,  
0.3391

12.8473, 0.3138,  
0.3569

306.6729, 0.3132,  
0.3385

7.3235, 0.3139,  
0.3628

364.5662, 0.3132,

3.6652, 0.3139,

0.3379

429.3221, 0.3131,  
0.3375

0.3721

1.4881, 0.3138,  
0.3882

0.2803, 0.2791,  
0.7209

81.9036, 0.3134,  
0.3438

81.9036, 0.3134,  
0.3438

77.6595, 0.3144,  
0.3713

86.7178, 0.3122,  
0.3194

73.9541, 0.3152,  
0.4019

89.0463, 0.3135,  
0.3117

70.7690, 0.3155,  
0.4349

68.0807, 0.3154,  
0.4694

■ 65.8638, 0.3145,  
0.5037

■ 64.0908, 0.3129,  
0.5355

■ 62.7309, 0.3106,  
0.5624

■ 61.7497, 0.3078,  
0.5822

■ 61.1064, 0.3047,  
0.5940

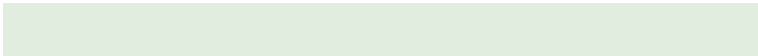
# Harmonies

## Analogous

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



81.9036, 0.3229, 0.3461



81.9036, 0.3134, 0.3438



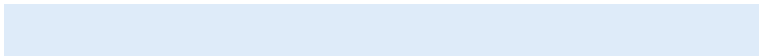
81.9036, 0.3038, 0.3373

# Triad

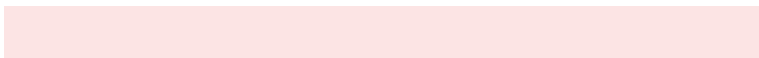
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.9036, 0.3134, 0.3438



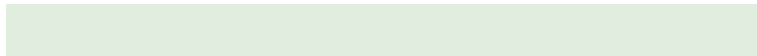
81.9036, 0.2959, 0.3143



81.9036, 0.3290, 0.3291

# Complementary

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



81.9036, 0.3134, 0.3438



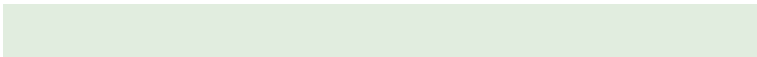
76.5244, 0.3120, 0.3145

# 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.



81.9036, 0.3215, 0.3209



81.9036, 0.3134, 0.3438



81.9036, 0.3025, 0.3124

# Square

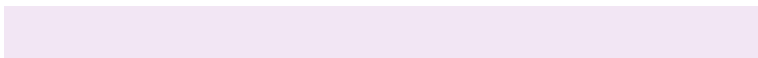
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



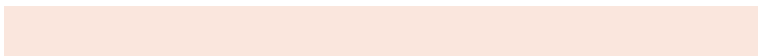
81.9036, 0.3134, 0.3438



81.9036, 0.2939, 0.3201



81.9036, 0.3118, 0.3148



81.9036, 0.3320, 0.3374



# Rectangle

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



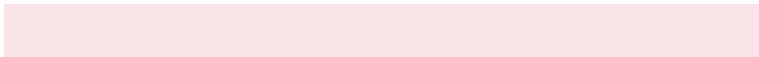
81.9036, 0.3134, 0.3438



81.9036, 0.2987, 0.3316



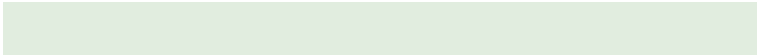
81.9036, 0.3118, 0.3148



81.9036, 0.3269, 0.3262

# Sweetspot

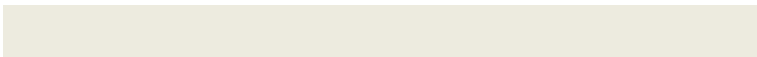
The Sweet Spot groups the original color and five complimentary colors.



81.9071, 0.3134, 0.3438



98.8607, 0.3130, 0.3339



82.6855, 0.3216, 0.3413



21.1722, 0.3129, 0.3337



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

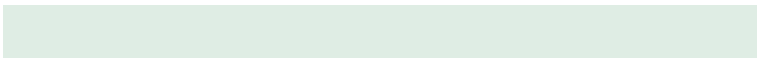
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.9071, 0.3134, 0.3438



96.1310, 0.3135, 0.3467



81.8448, 0.3090, 0.3386



17.1439, 0.3136, 0.3481



33.2975, 0.3042, 0.5966



2.6477, 0.3117, 0.5907



# Inverse Universe

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



76.5244, 0.3120, 0.3145



88.6388, 0.3118, 0.3117



76.5959, 0.3166, 0.3196



15.7060, 0.3117, 0.3104



10.2391, 0.2839, 0.1338

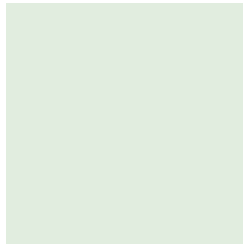


0.8347, 0.2893, 0.1368



# Previews

## White Background



This preview shows how the Yxy color 81.9036, 0.3134, 0.3438 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

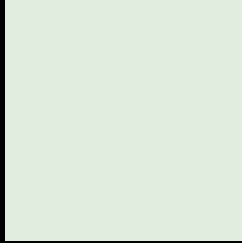
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.9036, 0.3134, 0.3438 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

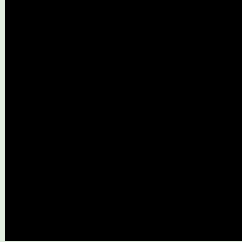
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

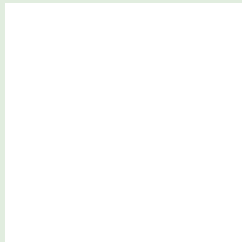
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.9036, 0.3134, 0.3438**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.9036, 0.3134, 0.3438.

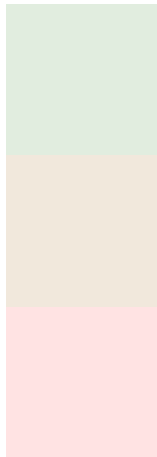


This preview shows how white text looks on a background with the Yxy color 81.9036, 0.3134, 0.3438.

# 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

81.9036, 0.3134, 0.3438

### Protanopia

81.5813, 0.3266, 0.3414

### Deuteranopia

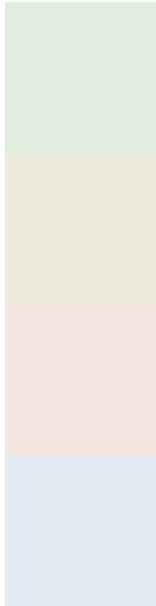
81.7442, 0.3324, 0.3291



## Tritanopia

81.9009, 0.2991, 0.3106

# Trichromacy



## Original Color

81.9036, 0.3134, 0.3438

## Protanomaly

81.7283, 0.3216, 0.3425

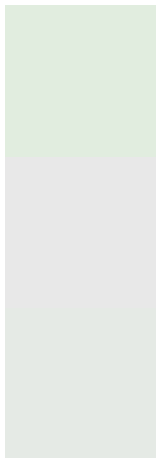
## Deuteranomaly

81.8759, 0.3249, 0.3341

## Tritanomaly

81.6905, 0.3044, 0.3217

# Monochromacy



## Original Color

81.9036, 0.3134, 0.3438

## Achromatopsia

80.6952, 0.3127, 0.3290

## Achromatomaly

81.1608, 0.3125, 0.3342

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.9036, 0.3134, 0.3438 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(225, 237, 223)` looks like.

```
.text, #text, p{  
    color:rgb(225, 237, 223)  
}
```

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(225, 237, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 237, 223) }
```

## Border

The CSS property to change the border of an element to Yxy 81.9036, 0.3134, 0.3438 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(225, 237, 223) }
```

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

```
.border{ border-color:rgb(225, 237, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 237, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 237, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 237, 223);  
box-shadow:4px 4px 4px 4px rgb(225, 237,  
223) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.9036, 0.3134, 0.3438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 237, 223) }
```

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

```
.background{ background-color: rgb(225,  
237, 223) }
```

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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