

# Converting Colors

Yxy(82.4852, 0.3108, 0.3371)

Have a look what the booklet for  
Yxy(82.4852, 0.3108, 0.3371)  
contains.

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# Color

**Yxy(82.5564, 0.3110, 0.3374)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3EDE5
RGB	227, 237, 229
RGB Percent	89%, 93%, 90%
CMY	0.1099, 0.0705, 0.1021
CMYK	0.04, 0.00, 0.03, 0.07
HSL	132°, 22%, 91%
HSV	132°, 4%, 93%
XYZ	76.0967, 82.5564, 86.0309
YIQ	233.0980, -3.3920, -4.6080

# Conversions

## Conversions Part 2

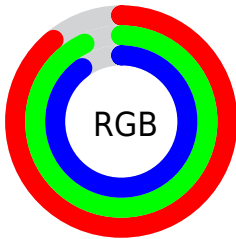
Format	Color
R <sub>Y</sub> B	227, 235, 237
Decimal	14937573
CIE Lab	92.82, -4.77, 2.72
CIE LCh	93, 5.495, 150.279
Yxy	82.5564, 0.3110, 0.3374
Android (android.graphics.Color)	4293127653 (0xFFE3EDE5)
YUV	233.0980, -2.0203, -5.3479
Hunter-Lab	90.8606, -9.5102, 7.4639

# Details

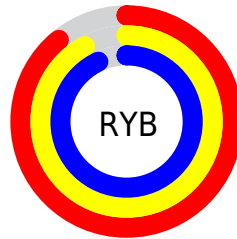
The Yxy color **82.5564, 0.3110, 0.3374** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **78.9327, 0.3145, 0.3207**, and the grayscale version is **81.5790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.8744, 0.3106, 0.3385** is the 20% darker color. If you saturate the color by 10%, you get **77.9644, 0.3069, 0.3591**, and if you desaturate by 10%, it is **87.8020, 0.3150, 0.3183**.

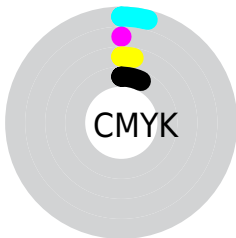
# Distribution



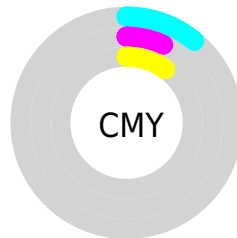
- Red (89%)
- Green (93%)
- Blue (90%)



- Red (89%)
- Yellow (92%)
- Blue (93%)



- Cyan (4%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)



- Cyan (11%)
- Magenta (7%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.5564, 0.3110, 0.3374 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 82.5564, 0.3110, 0.3374 by changing the saturation by 10% instead.



82.5564, 0.3110,  
0.3374

82.5564, 0.3110,  
0.3374

503.5069, 0.3118,  
0.3336

61.8243, 0.3108,  
0.3383

136.9540, 0.3113,  
0.3361

44.8907, 0.3106,  
0.3393

171.3882, 0.3114,  
0.3356

31.3714, 0.3103,  
0.3406

211.1586, 0.3115,  
0.3351

20.8818, 0.3100,  
0.3424

256.6496, 0.3116,  
0.3347

13.0376, 0.3095,  
0.3447

308.2455, 0.3116,  
0.3344

7.4545, 0.3087,  
0.3480

366.3308, 0.3117,

3.7479, 0.3076,

0.3341

0.3530

431.2898, 0.3117,  
0.3338

■ 1.5336, 0.3057,  
0.3617

■ 0.3122, 0.2808,  
0.4864

■ 82.5564, 0.3110,  
0.3374

■ 82.5564, 0.3110,  
0.3374

■ 77.9644, 0.3069,  
0.3591

■ 87.8020, 0.3150,  
0.3183

■ 73.9903, 0.3028,  
0.3836

■ 89.0570, 0.3135,  
0.3117

■ 70.6105, 0.2990,  
0.4106

■ 67.7962, 0.2956,  
0.4397

■ 65.5160, 0.2929,  
0.4700

■ 63.7355, 0.2912,  
0.5002

■ 62.4160, 0.2908,  
0.5287

■ 61.5132, 0.2917,  
0.5536

■ 60.9735, 0.2937,  
0.5734

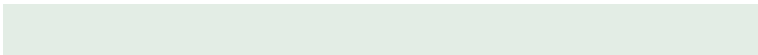
# Harmonies

## Analogous

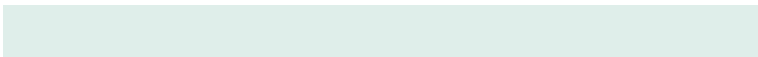
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.5564, 0.3174, 0.3399



82.5564, 0.3110, 0.3374



82.5564, 0.3051, 0.3326

# Triad

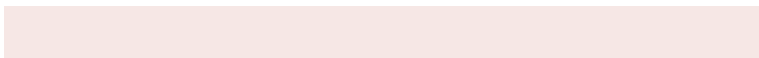
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.5564, 0.3110, 0.3374



82.5564, 0.3029, 0.3187



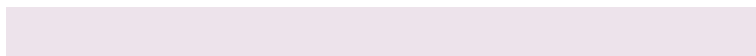
82.5564, 0.3243, 0.3310

# Complementary

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



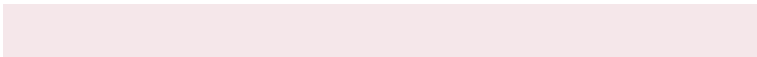
82.5564, 0.3110, 0.3374



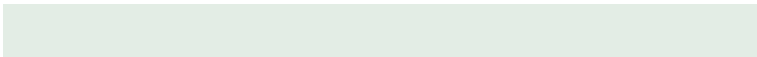
78.9327, 0.3145, 0.3207

# 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.



82.5564, 0.3203, 0.3255



82.5564, 0.3110, 0.3374



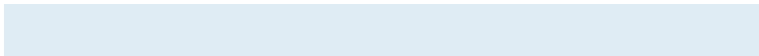
82.5564, 0.3080, 0.3184

# Square

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



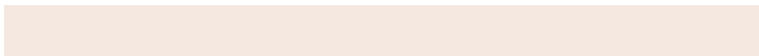
82.5564, 0.3110, 0.3374



82.5564, 0.3005, 0.3217



82.5564, 0.3144, 0.3208



82.5564, 0.3251, 0.3361



# Rectangle

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



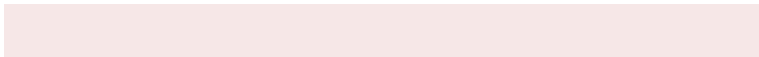
82.5564, 0.3110, 0.3374



82.5564, 0.3023, 0.3288



82.5564, 0.3144, 0.3208



82.5564, 0.3233, 0.3291

# Sweetspot

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



82.5599, 0.3110, 0.3374



99.3886, 0.3123, 0.3310



83.8138, 0.3177, 0.3394



21.2797, 0.3123, 0.3309



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

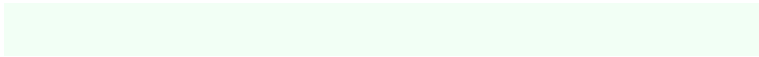


# Same Dimension

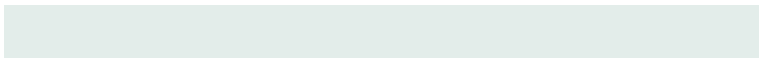
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.5599, 0.3110, 0.3374



97.0208, 0.3107, 0.3390



82.8355, 0.3080, 0.3323



17.2867, 0.3104, 0.3404



33.1952, 0.2944, 0.5800



2.6200, 0.2876, 0.5555



# Inverse Universe

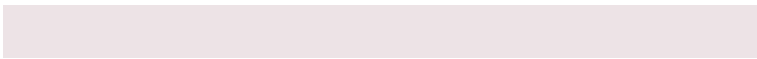
The Inverse Universe completely reimagines the original color for something new.



78.9327, 0.3145, 0.3207



91.9712, 0.3148, 0.3192



78.6553, 0.3176, 0.3257



16.2699, 0.3151, 0.3179



11.8770, 0.3785, 0.1859

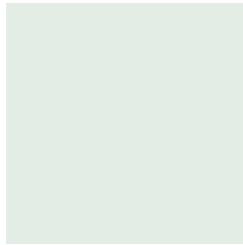


0.9457, 0.3690, 0.1806



# Previews

## White Background



This preview shows how the Yxy color 82.5564, 0.3110, 0.3374 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

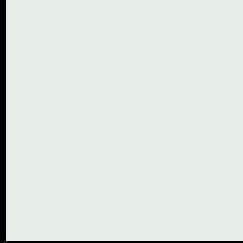
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.5564, 0.3110, 0.3374 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

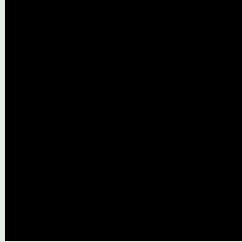
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

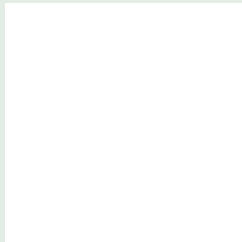
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.5564, 0.3110, 0.3374**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.5564, 0.3110, 0.3374.

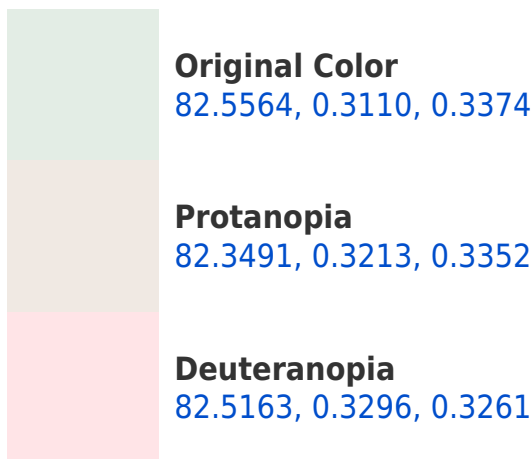


This preview shows how white text looks on a background with the Yxy color 82.5564, 0.3110, 0.3374.

# 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

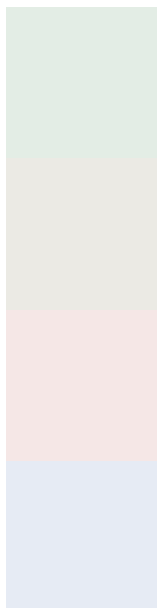




## Tritanopia

82.8628, 0.2998, 0.3107

# Trichromacy



## Original Color

82.5564, 0.3110, 0.3374

## Protanomaly

82.1092, 0.3172, 0.3352

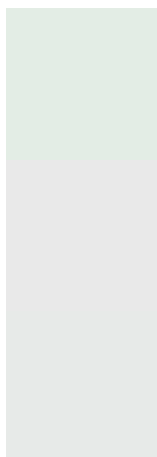
## Deuteranomaly

82.2775, 0.3230, 0.3300

## Tritanomaly

82.7713, 0.3039, 0.3198

# Monochromacy



## Original Color

82.5564, 0.3110, 0.3374

## Achromatopsia

81.4847, 0.3127, 0.3290

## Achromatomaly

81.6608, 0.3119, 0.3311

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.5564, 0.3110, 0.3374 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(227, 237, 229)` looks like.

```
.text, #text, p{  
    color:rgb(227, 237, 229)  
}
```

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(227, 237, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 237, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 82.5564, 0.3110, 0.3374 is called "border". The border property can be set on classes, ids or directly on the HTML element.

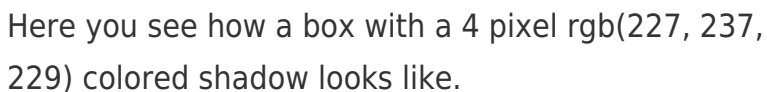
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(227, 237, 229) }
```

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

```
.border{ border-color:rgb(227, 237, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(227, 237, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 237, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 237, 229); box-shadow:4px 4px 4px 4px rgb(227, 237, 229) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.5564, 0.3110, 0.3374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 237, 229) }
```

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

```
.background{ background-color: rgb(227,  
237, 229) }
```

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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