

# Converting Colors

$Yxy(81.6757, 0.3133, 0.3369)$

Have a look what the booklet for  
Yxy(81.6757, 0.3133, 0.3369)  
contains.

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# Color

**Yxy(81.6761, 0.3130, 0.3363)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5EBE4
RGB	229, 235, 228
RGB Percent	90%, 92%, 89%
CMY	0.1021, 0.0784, 0.1058
CMYK	0.03, 0.00, 0.03, 0.08
HSL	112°, 15%, 91%
HSV	112°, 3%, 92%
XYZ	76.0173, 81.6761, 85.1734
YIQ	232.4080, -1.3290, -3.4490

# Conversions

## Conversions Part 2

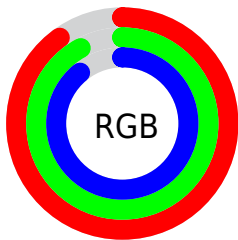
Format	Color
RYP	228, 235, 234
Decimal	15068132
CIE Lab	92.43, -3.26, 2.67
CIE LCh	92, 4.215, 140.672
Yxy	81.6761, 0.3130, 0.3363
Android (android.graphics.Color)	4293258212 (0xFFE5EBE4)
YUV	232.4080, -2.1731, -2.9888
Hunter-Lab	90.3748, -8.0136, 7.3848

# Details

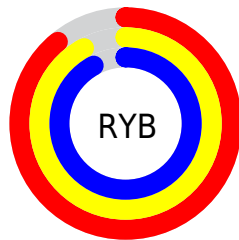
The Yxy color **81.6761, 0.3130, 0.3363** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.0051, 0.3124, 0.3218**, and the grayscale version is **81.0337, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.2560, 0.3132, 0.3371** is the 20% darker color. If you saturate the color by 10%, you get **77.3073, 0.3139, 0.3629**, and if you desaturate by 10%, it is **86.6221, 0.3120, 0.3129**.

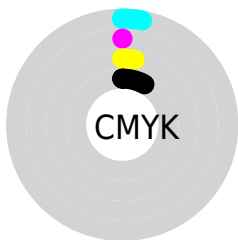
# Distribution



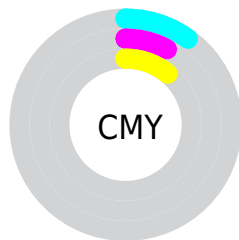
- Red (90%)
- Green (92%)
- Blue (89%)



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



- Cyan (3%)
- Magenta (0%)
- Yellow (3%)
- Black (8%)




- Cyan (10%)
- Magenta (8%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.6761, 0.3130, 0.3363 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 81.6761, 0.3130, 0.3363 by changing the saturation by 10% instead.



 81.6761, 0.3130,  
0.3363

 81.6761, 0.3130,  
0.3363


500.5636, 0.3129,  
0.3330

 61.0986, 0.3130,  
0.3370

135.7197, 0.3130,  
0.3352

 44.3047, 0.3131,  
0.3380


169.9546, 0.3129,  
0.3347

 30.9102, 0.3131,  
0.3391


209.5107, 0.3129,  
0.3343

 20.5304, 0.3131,  
0.3406

254.7724, 0.3129,  
0.3340

 12.7812, 0.3132,  
0.3426

306.1242, 0.3129,  
0.3337

 7.2781, 0.3132,  
0.3455

363.9504, 0.3129,

 3.6366, 0.3133,

0.3334

0.3499

428.6354, 0.3129,  
0.3332

■ 1.4724, 0.3134,  
0.3575

■ 0.2692, 0.3194,  
0.4878

■ 81.6761, 0.3130,  
0.3363

■ 81.6761, 0.3130,  
0.3363

■ 77.3073, 0.3139,  
0.3629

■ 86.6221, 0.3120,  
0.3129

■ 73.4845, 0.3145,  
0.3927

■ 87.9057, 0.3136,  
0.3098

■ 70.1894, 0.3148,  
0.4251

■ 67.3987, 0.3146,  
0.4595

■ 65.0871, 0.3138,  
0.4942

■ 63.2275, 0.3124,  
0.5271

■ 61.7898, 0.3103,  
0.5558

■ 60.7401, 0.3077,  
0.5778

■ 60.0390, 0.3049,  
0.5919

# Harmonies

## Analogous

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



81.6761, 0.3177, 0.3375



81.6761, 0.3130, 0.3363



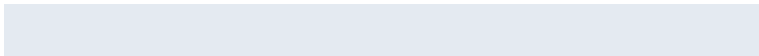
81.6761, 0.3082, 0.3331

# Triad

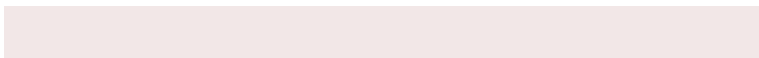
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.6761, 0.3130, 0.3363



81.6761, 0.3043, 0.3216



81.6761, 0.3209, 0.3292

# Complementary

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



81.6761, 0.3130, 0.3363



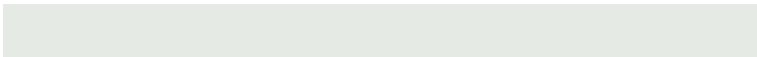
79.0051, 0.3124, 0.3218

# 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.



81.6761, 0.3172, 0.3250



81.6761, 0.3130, 0.3363



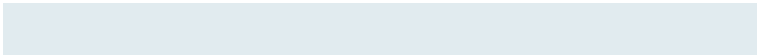
81.6761, 0.3077, 0.3206

# Square

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



81.6761, 0.3130, 0.3363



81.6761, 0.3032, 0.3246



81.6761, 0.3124, 0.3219



81.6761, 0.3223, 0.3334

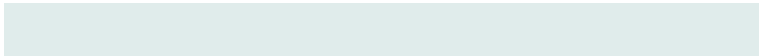


# Rectangle

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



81.6761, 0.3130, 0.3363



81.6761, 0.3056, 0.3303



81.6761, 0.3124, 0.3219



81.6761, 0.3199, 0.3277

# Sweetspot

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



81.6796, 0.3130, 0.3363



99.4203, 0.3128, 0.3314



82.0944, 0.3172, 0.3352



21.2861, 0.3128, 0.3313



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

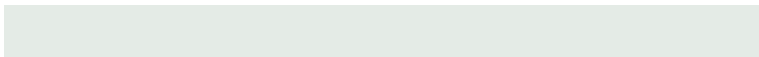
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.6796, 0.3130, 0.3363



97.7228, 0.3131, 0.3389



81.6632, 0.3109, 0.3337



17.4090, 0.3132, 0.3407



33.2648, 0.3036, 0.5971



2.6428, 0.3107, 0.5915



# Inverse Universe

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



79.0051, 0.3124, 0.3218



93.4061, 0.3123, 0.3192



79.0233, 0.3146, 0.3243



16.5039, 0.3122, 0.3175



10.4907, 0.2874, 0.1357

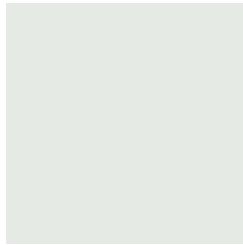


0.8521, 0.2923, 0.1384



# Previews

## White Background



This preview shows how the Yxy color 81.6761, 0.3130, 0.3363 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

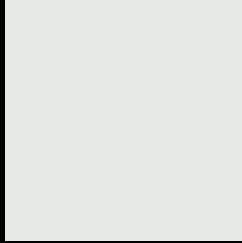
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.6761, 0.3130, 0.3363 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

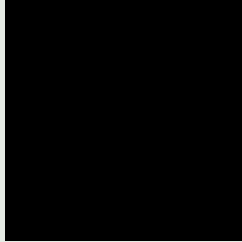
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

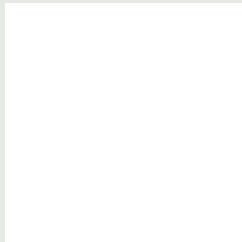
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.6761, 0.3130, 0.3363**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.6761, 0.3130, 0.3363.

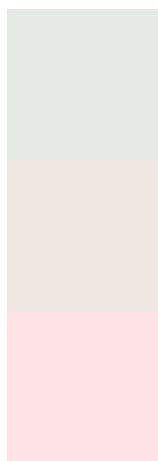


This preview shows how white text looks on a background with the Yxy color 81.6761, 0.3130, 0.3363.

# 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

81.6761, 0.3130, 0.3363

### Protanopia

81.5549, 0.3213, 0.3352

### Deuteranopia

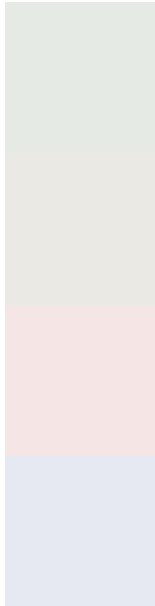
81.3659, 0.3305, 0.3251



## Tritanopia

81.7712, 0.3016, 0.3107

# Trichromacy



## Original Color

81.6761, 0.3130, 0.3363

## Protanomaly

81.4860, 0.3179, 0.3352

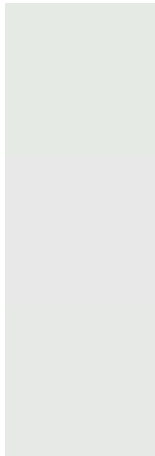
## Deuteranomaly

81.2886, 0.3245, 0.3290

## Tritanomaly

81.6776, 0.3058, 0.3197

# Monochromacy



## Original Color

81.6761, 0.3130, 0.3363

## Achromatopsia

80.6952, 0.3127, 0.3290

## Achromatomaly

81.0363, 0.3126, 0.3311

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.6761, 0.3130, 0.3363 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(229, 235, 228)` looks like.

```
.text, #text, p{  
    color:rgb(229, 235, 228)  
}
```

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(229, 235, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 235, 228) }
```

## Border

The CSS property to change the border of an element to Yxy 81.6761, 0.3130, 0.3363 is called "border". The border property can be set on classes, ids or directly on the HTML element.

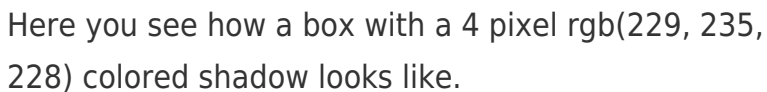
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(229, 235, 228) }
```

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

```
.border{ border-color:rgb(229, 235, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(229, 235, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(229, 235, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(229, 235, 228); box-shadow:4px 4px 4px 4px rgb(229, 235, 228) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.6761, 0.3130, 0.3363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 235, 228) }
```

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

```
.background{ background-color: rgb(229,  
235, 228) }
```

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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