

# Converting Colors

Yxy(83.6540, 0.3086, 0.3359)

Have a look what the booklet for  
Yxy(83.6540, 0.3086, 0.3359)  
contains.

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# Color

**Yxy(83.7280, 0.3084, 0.3363)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2EFE8
RGB	226, 239, 232
RGB Percent	89%, 94%, 91%
CMY	0.1140, 0.0627, 0.0902
CMYK	0.05, 0.00, 0.03, 0.06
HSL	148°, 29%, 91%
HSV	148°, 5%, 94%
XYZ	76.7818, 83.7280, 88.4584
YIQ	234.3150, -5.5010, -4.9330

# Conversions

## Conversions Part 2

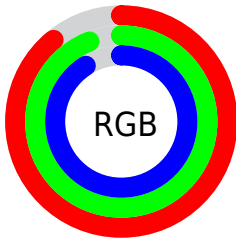
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 235, 239
Decimal	14872552
CIE Lab	93.33, -5.59, 1.88
CIE LCh	93, 5.900, 161.373
Yxy	83.7280, 0.3084, 0.3363
Android (android.graphics.Color)	4293062632 (0xFFE2EFE8)
YUV	234.3150, -1.1413, -7.2923
Hunter-Lab	91.5030, -10.3478, 6.7349

# Details

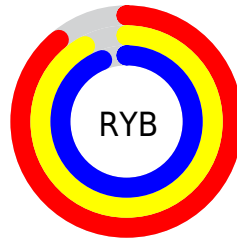
The Yxy color **83.7280, 0.3084, 0.3363** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **78.5958, 0.3173, 0.3218**, and the grayscale version is **82.5380, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.6595, 0.3081, 0.3384** is the 20% darker color. If you saturate the color by 10%, you get **79.4317, 0.3006, 0.3509**, and if you desaturate by 10%, it is **88.6232, 0.3163, 0.3233**.

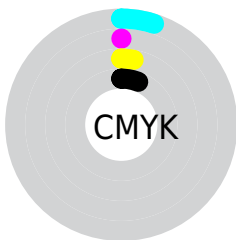
# Distribution



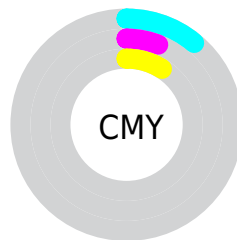
- Red (89%)
- Green (94%)
- Blue (91%)



- Red (89%)
- Yellow (92%)
- Blue (94%)



- Cyan (5%)
- Magenta (0%)
- Yellow (3%)
- Black (6%)




- Cyan (11%)
- Magenta (6%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.7280, 0.3084, 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 83.7280, 0.3084, 0.3363 by changing the saturation by 10% instead.




 83.7280, 0.3084,  
0.3363

 83.7280, 0.3084,  
0.3363


507.4096, 0.3104,  
0.3330

 62.7909, 0.3080,  
0.3370


138.5946, 0.3091,  
0.3352

 45.6721, 0.3074,  
0.3380


173.2929, 0.3093,  
0.3347

 31.9871, 0.3067,  
0.3391


213.3471, 0.3096,  
0.3343

 21.3517, 0.3059,  
0.3406

259.1415, 0.3098,  
0.3340

 13.3813, 0.3047,  
0.3426

311.0606, 0.3099,  
0.3337

 7.6916, 0.3030,  
0.3454

369.4887, 0.3101,

 3.8983, 0.3005,

0.3334

0.3496

434.8102, 0.3102,  
0.3332

■ 1.6168, 0.2962,  
0.3570

■ 0.3689, 0.2511,  
0.4325

■ 83.7280, 0.3084,  
0.3363

■ 83.7280, 0.3084,  
0.3363

■ 79.4317, 0.3006,  
0.3509

■ 88.6232, 0.3163,  
0.3233

■ 75.7004, 0.2932,  
0.3671

■ 90.2262, 0.3134,  
0.3137

■ 72.5127, 0.2863,  
0.3850

■ 69.8419, 0.2804,  
0.4043

■ 67.6589, 0.2757,  
0.4247

■ 65.9316, 0.2726,  
0.4458

■ 64.6239, 0.2714,  
0.4671

■ 63.6939, 0.2722,  
0.4878

■ 63.0901, 0.2750,  
0.5073

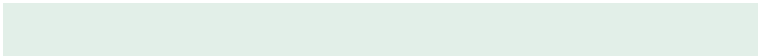
# Harmonies

## Analogous

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



83.7280, 0.3152, 0.3400



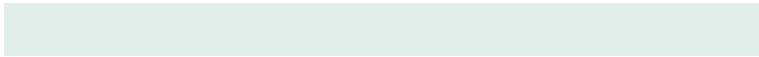
83.7280, 0.3084, 0.3363



83.7280, 0.3028, 0.3306

# Triad

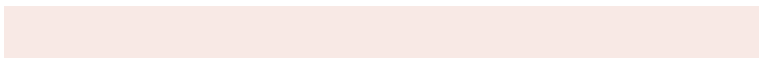
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.7280, 0.3084, 0.3363



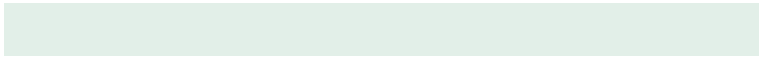
83.7280, 0.3040, 0.3175



83.7280, 0.3258, 0.3333

# Complementary

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



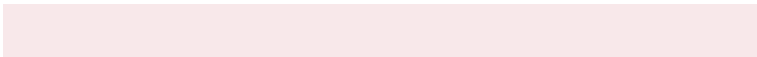
83.7280, 0.3084, 0.3363



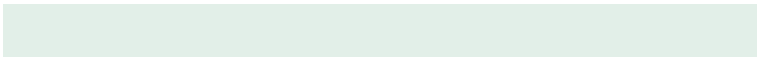
78.5958, 0.3173, 0.3218

# 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.



83.7280, 0.3227, 0.3274



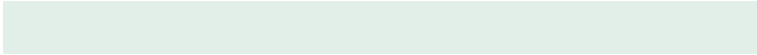
83.7280, 0.3084, 0.3363



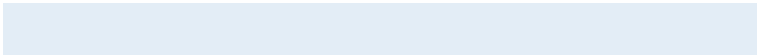
83.7280, 0.3101, 0.3183

# Square

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



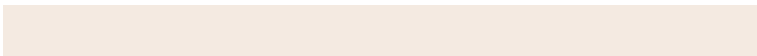
83.7280, 0.3084, 0.3363



83.7280, 0.3003, 0.3197



83.7280, 0.3170, 0.3219

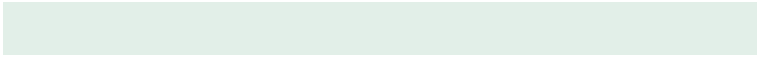


83.7280, 0.3253, 0.3382



# Rectangle

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



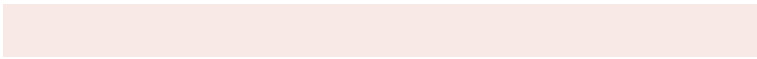
83.7280, 0.3084, 0.3363



83.7280, 0.3004, 0.3265



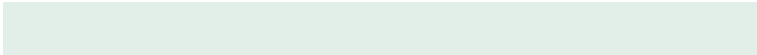
83.7280, 0.3170, 0.3219



83.7280, 0.3252, 0.3314

# Sweetspot

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



83.7316, 0.3084, 0.3363



98.8705, 0.3111, 0.3316



84.5803, 0.3169, 0.3425



21.1742, 0.3112, 0.3315



0.0000, 0.0000, 0.0000

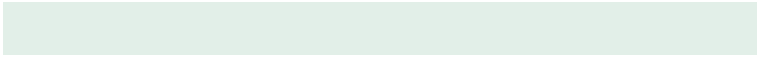


21.4041, 0.3127, 0.3290



# Same Dimension

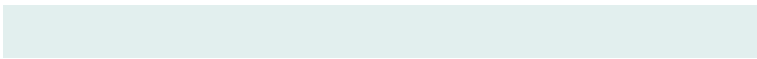
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.7316, 0.3084, 0.3363



96.1687, 0.3072, 0.3385



84.1000, 0.3046, 0.3297



17.9597, 0.3067, 0.3392



34.7720, 0.2758, 0.5128



2.9126, 0.2688, 0.4877



# Inverse Universe

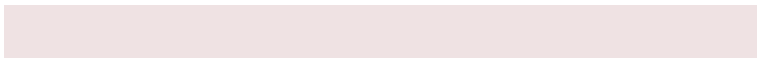
The Inverse Universe completely reimagines the original color for something new.



78.5958, 0.3173, 0.3218



88.6140, 0.3186, 0.3197



78.2385, 0.3214, 0.3284



16.4380, 0.3192, 0.3190



11.0329, 0.4803, 0.2420

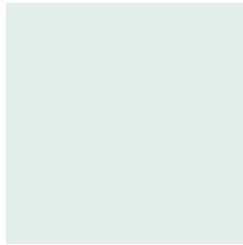


0.9379, 0.4535, 0.2272



# Previews

## White Background



This preview shows how the Yxy color 83.7280, 0.3084, 0.3363 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

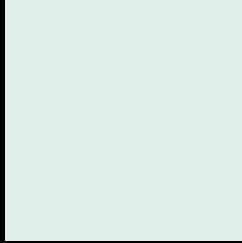
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.7280, 0.3084, 0.3363 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

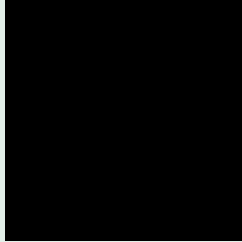
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

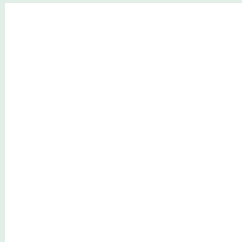
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.7280, 0.3084, 0.3363**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.7280, 0.3084, 0.3363.



This preview shows how white text looks on a background with the Yxy color 83.7280, 0.3084, 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

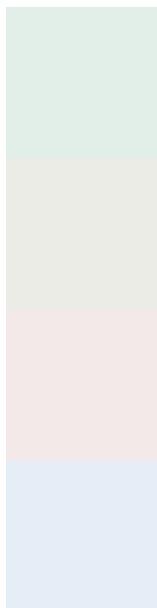




## Tritanopia

83.9697, 0.2980, 0.3107

# Trichromacy



## Original Color

83.7280, 0.3084, 0.3363

## Protanomaly

83.5369, 0.3164, 0.3352

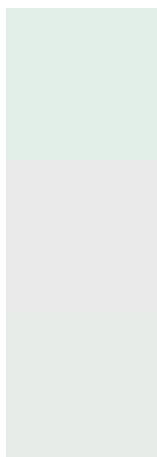
## Deuteranomaly

83.3941, 0.3202, 0.3290

## Tritanomaly

83.8802, 0.3020, 0.3198

# Monochromacy



## Original Color

83.7280, 0.3084, 0.3363

## Achromatopsia

82.2786, 0.3127, 0.3290

## Achromatomaly

82.8630, 0.3112, 0.3321

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.7280, 0.3084, 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(226, 239, 232)` looks like.

```
.text, #text, p{  
    color:rgb(226, 239, 232)  
}
```

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(226, 239, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 239, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 83.7280, 0.3084, 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(226, 239, 232) }
```

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

```
.border{ border-color:rgb(226, 239, 232) }
```

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

Here you see how a box with a 4 pixel rgb(226, 239, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 239, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 239, 232);  
box-shadow:4px 4px 4px 4px rgb(226, 239,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.7280, 0.3084, 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(226, 239, 232) }
```

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

```
.background{ background-color: rgb(226,  
239, 232) }
```

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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