

# Converting Colors

$Yxy(82.9924, 0.3088, 0.3284)$

Have a look what the booklet for  
Yxy(82.9924, 0.3088, 0.3284)  
contains.

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# Color

**Yxy(83.0943, 0.3088, 0.3280)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7ECED
RGB	231, 236, 237
RGB Percent	91%, 93%, 93%
CMY	0.0942, 0.0745, 0.0707
CMYK	0.03, 0.00, 0.00, 0.07
HSL	190°, 14%, 92%
HSV	190°, 3%, 93%
XYZ	78.2302, 83.0943, 92.0117
YIQ	234.6190, -3.3010, -0.7490

# Conversions

## Conversions Part 2

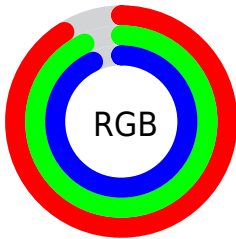
Format	Color
R <sub>Y</sub> B	231, 234, 237
Decimal	15199469
CIE Lab	93.06, -1.49, -1.06
CIE LCh	93, 1.827, 215.392
Yxy	83.0943, 0.3088, 0.3280
Android (android.graphics.Color)	4293389549 (0xFFE7ECED)
YUV	234.6190, 1.1738, -3.1739
Hunter-Lab	91.1561, -6.3342, 3.9627

# Details

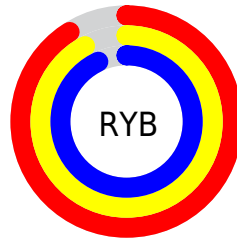
The Yxy color **83.0943, 0.3088, 0.3280** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **81.4526, 0.3167, 0.3300**, and the grayscale version is **82.7659, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.0927, 0.3077, 0.3277** is the 20% darker color. If you saturate the color by 10%, you get **77.2556, 0.2934, 0.3238**, and if you desaturate by 10%, it is **89.5204, 0.3244, 0.3318**.

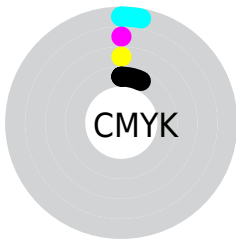
# Distribution



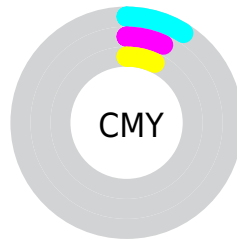
- Red (91%)
- Green (93%)
- Blue (93%)



- Red (91%)
- Yellow (92%)
- Blue (93%)



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



- Cyan (9%)
- Magenta (7%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.0943, 0.3088, 0.3280 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 83.0943, 0.3088, 0.3280 by changing the saturation by 10% instead.



83.0943, 0.3088,  
0.3280

83.0943, 0.3088,  
0.3280

505.3007, 0.3106,  
0.3285

62.2679, 0.3084,  
0.3279

137.7075, 0.3094,  
0.3282

45.2492, 0.3079,  
0.3278

172.2632, 0.3096,  
0.3282

31.6538, 0.3073,  
0.3276

212.1641, 0.3099,  
0.3283

21.0972, 0.3065,  
0.3274

257.7946, 0.3100,  
0.3283

13.1951, 0.3055,  
0.3271

309.5391, 0.3102,  
0.3284

7.5630, 0.3040,  
0.3267

367.7821, 0.3103,

3.8166, 0.3018,

0.3284

0.3261

432.9078, 0.3105,  
0.3284

■ 1.5715, 0.2981,  
0.3251

■ 0.3383, 0.2676,  
0.3174

■ 83.0943, 0.3088,  
0.3280

■ 83.0943, 0.3088,  
0.3280

■ 77.2556, 0.2934,  
0.3238

■ 89.5204, 0.3244,  
0.3318

■ 71.9720, 0.2786,  
0.3192

■ 91.8353, 0.3242,  
0.3355

■ 67.2240, 0.2645,  
0.3143

■ 94.1381, 0.3239,  
0.3391

■ 62.9870, 0.2516,  
0.3090

■ 96.4882, 0.3236,  
0.3428

■ 59.2341, 0.2401,  
0.3035

■ 98.8859, 0.3232,  
0.3464

■ 55.9358, 0.2302,  
0.2979

■ 98.8926, 0.3232,  
0.3464

■ 53.0591, 0.2223,  
0.2921

■ 50.5659, 0.2163,  
0.2863

■ 48.4103, 0.2122,  
0.2806

# Harmonies

## Analogous

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



83.0943, 0.3099, 0.3299



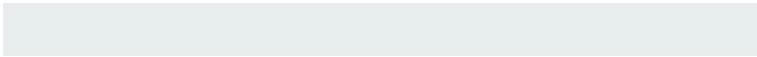
83.0943, 0.3088, 0.3280



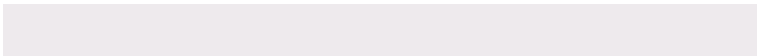
83.0943, 0.3087, 0.3264

# Triad

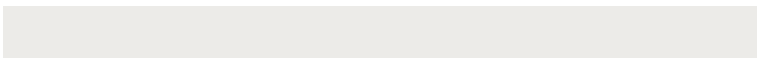
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.0943, 0.3088, 0.3280



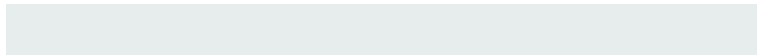
83.0943, 0.3136, 0.3265



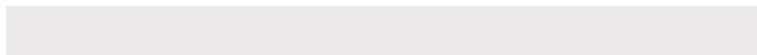
83.0943, 0.3157, 0.3326

# Complementary

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



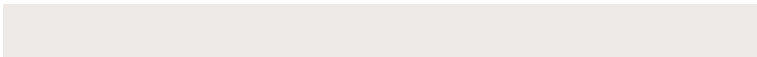
83.0943, 0.3088, 0.3280



81.4526, 0.3167, 0.3300

# Split Complementary

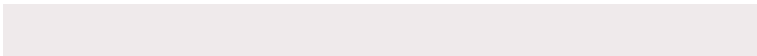
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.0943, 0.3167, 0.3316



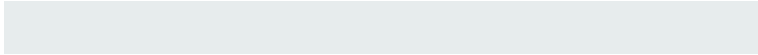
83.0943, 0.3088, 0.3280



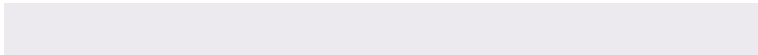
83.0943, 0.3155, 0.3281

# Square

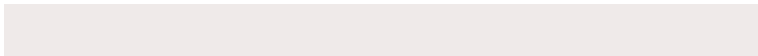
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.0943, 0.3088, 0.3280



83.0943, 0.3115, 0.3255



83.0943, 0.3167, 0.3300



83.0943, 0.3139, 0.3325

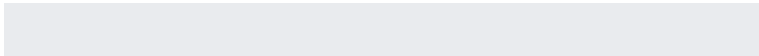


# Rectangle

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



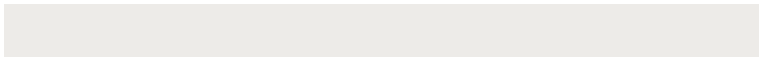
83.0943, 0.3088, 0.3280



83.0943, 0.3093, 0.3257



83.0943, 0.3167, 0.3300



83.0943, 0.3162, 0.3324

# Sweetspot

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



83.0978, 0.3088, 0.3280



99.2592, 0.3112, 0.3286



83.3580, 0.3119, 0.3343



21.2534, 0.3112, 0.3286



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

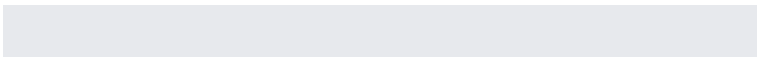
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0978, 0.3088, 0.3280



97.7986, 0.3080, 0.3278



81.4252, 0.3089, 0.3250



17.3938, 0.3068, 0.3275



25.8114, 0.2104, 0.2773



2.1368, 0.2126, 0.2852



# Inverse Universe

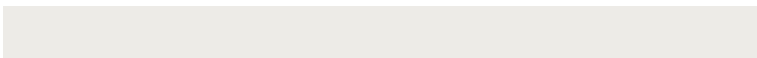
The Inverse Universe completely reimagines the original color for something new.



81.2029, 0.3136, 0.3239



95.1371, 0.3138, 0.3229



83.1146, 0.3166, 0.3330



16.7995, 0.3141, 0.3213



12.0985, 0.3660, 0.1790

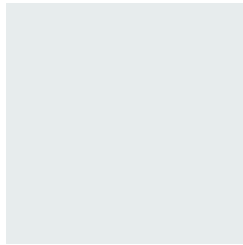


0.9611, 0.3587, 0.1750



# Previews

## White Background



This preview shows how the Yxy color 83.0943, 0.3088, 0.3280 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

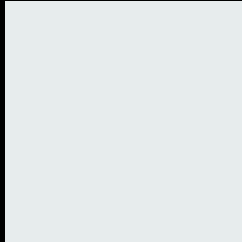
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.0943, 0.3088, 0.3280 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

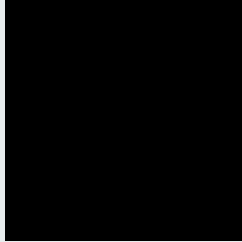
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

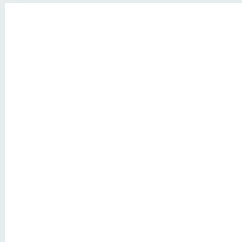
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.0943, 0.3088, 0.3280**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.0943, 0.3088, 0.3280.

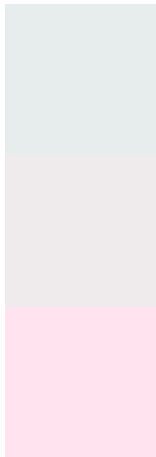


This preview shows how white text looks on a background with the Yxy color 83.0943, 0.3088, 0.3280.

# 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

83.0943, 0.3088, 0.3280

### Protanopia

83.2525, 0.3148, 0.3270

### Deuteranopia

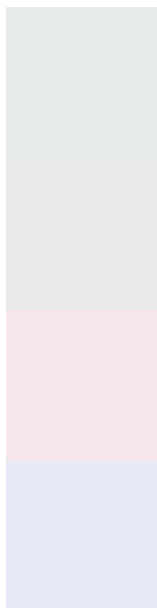
82.9788, 0.3243, 0.3182



## Tritanopia

83.1976, 0.3011, 0.3108

# Trichromacy



## Original Color

83.0943, 0.3088, 0.3280

## Protanomaly

83.3057, 0.3128, 0.3280

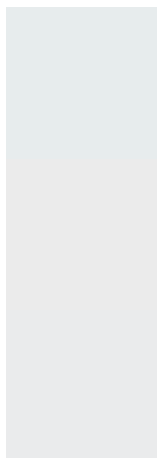
## Deuteranomaly

82.9177, 0.3185, 0.3220

## Tritanomaly

83.2879, 0.3034, 0.3168

# Monochromacy



## Original Color

83.0943, 0.3088, 0.3280

## Achromatopsia

83.0770, 0.3127, 0.3290

## Achromatomaly

82.9652, 0.3114, 0.3280

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.0943, 0.3088, 0.3280 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(231, 236, 237)` looks like.

```
.text, #text, p{  
    color:rgb(231, 236, 237)  
}
```

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(231, 236, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 236, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 83.0943, 0.3088, 0.3280 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(231, 236, 237) }
```

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

```
.border{ border-color:rgb(231, 236, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 236, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 236, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 236, 237);  
box-shadow:4px 4px 4px 4px rgb(231, 236,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.0943, 0.3088, 0.3280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 236, 237) }
```

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

```
.background{ background-color: rgb(231,  
236, 237) }
```

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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