

Converting Colors

$Yxy(83.2706, 0.3086, 0.3243)$

Have a look what the booklet for
Yxy(83.2706, 0.3086, 0.3243)
contains.

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Color

Yxy(83.0316, 0.3083, 0.3239)

Conversions

Conversions Part 1

Format	Color
Hex	E9EBF0
RGB	233, 235, 240
RGB Percent	91%, 92%, 94%
CMY	0.0864, 0.0784, 0.0589
CMYK	0.03, 0.02, 0.00, 0.06
HSL	223°, 19%, 93%
HSV	223°, 3%, 94%
XYZ	79.0325, 83.0316, 94.2853
YIQ	234.9720, -2.7970, 1.1310

Conversions

Conversions Part 2

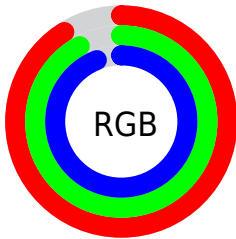
Format	Color
R _Y B	233, 235, 240
Decimal	15330288
CIE Lab	93.03, 0.23, -2.65
CIE LCh	93, 2.660, 274.857
Yxy	83.0316, 0.3083, 0.3239
Android (android.graphics.Color)	4293520368 (0xFFE9EBF0)
YUV	234.9720, 2.4788, -1.7294
Hunter-Lab	91.1217, -4.6446, 2.4367

Details

The Yxy color **83.0316, 0.3083, 0.3239** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.5215, 0.3171, 0.3340**, and the grayscale version is **83.0369, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.0480, 0.3070, 0.3224** is the 20% darker color. If you saturate the color by 10%, you get **69.9840, 0.2924, 0.3050**, and if you desaturate by 10%, it is **97.1913, 0.3217, 0.3406**.

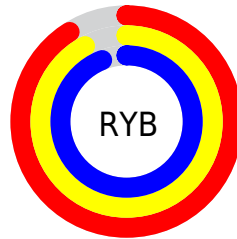
Distribution



Red (91%)

Green (92%)

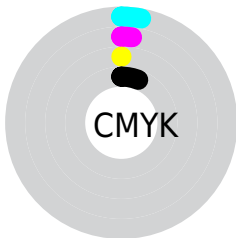
Blue (94%)



Red (91%)

Yellow (92%)

Blue (94%)

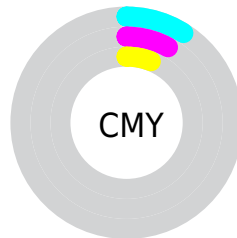


Cyan (3%)

Magenta (2%)

Yellow (0%)

Black (6%)



Cyan (9%)

Magenta (8%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.0316, 0.3083, 0.3239 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 83.0316, 0.3083, 0.3239 by changing the saturation by 10% instead.

83.0316, 0.3083,
0.3239

83.0316, 0.3083,
0.3239

505.0918, 0.3103,
0.3262

62.2162, 0.3079,
0.3234

137.6197, 0.3090,
0.3247

45.2074, 0.3073,
0.3228

172.1612, 0.3093,
0.3250

31.6208, 0.3066,
0.3220

212.0469, 0.3095,
0.3253

21.0721, 0.3057,
0.3209

257.6612, 0.3097,
0.3255

13.1767, 0.3046,
0.3196

309.3884, 0.3099,
0.3257

7.5503, 0.3029,
0.3177

367.6130, 0.3100,

3.8086, 0.3004,

0.3259

0.3148

432.7194, 0.3102,
0.3261

■ 1.5671, 0.2962,
0.3099

■ 0.3352, 0.2679,
0.2771

■ 83.0316, 0.3083,
0.3239

■ 83.0316, 0.3083,
0.3239

■ 69.9840, 0.2924,
0.3050

■ 97.1913, 0.3217,
0.3406

■ 58.3662, 0.2752,
0.2838

■ 99.0703, 0.3215,
0.3434

■ 48.1311, 0.2572,
0.2603

■ 39.2248, 0.2387,
0.2349

■ 31.5899, 0.2202,
0.2081

■ 25.1642, 0.2028,
0.1808

■ 19.8800, 0.1871,
0.1541

■ 15.6618, 0.1742,
0.1293

■ 12.4228, 0.1646,
0.1078

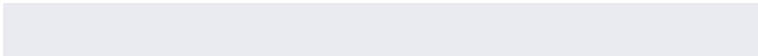
Harmonies

Analogous

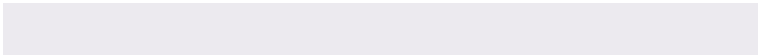
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0316, 0.3069, 0.3252



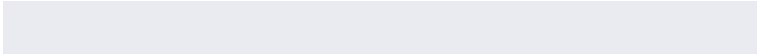
83.0316, 0.3083, 0.3239



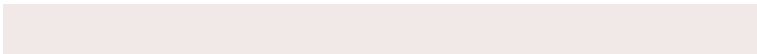
83.0316, 0.3109, 0.3239

Triad

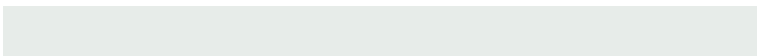
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.0316, 0.3083, 0.3239



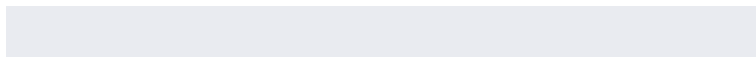
83.0316, 0.3185, 0.3304



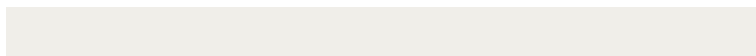
83.0316, 0.3114, 0.3328

Complementary

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



83.0316, 0.3083, 0.3239



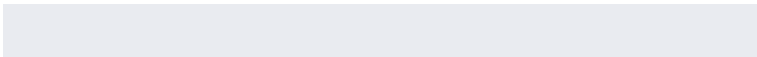
85.5215, 0.3171, 0.3340

Split Complementary

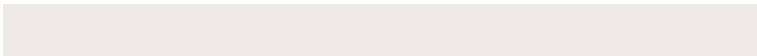
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.0316, 0.3145, 0.3342



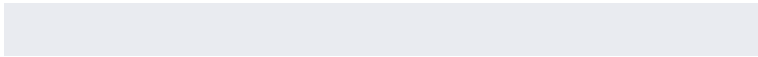
83.0316, 0.3083, 0.3239



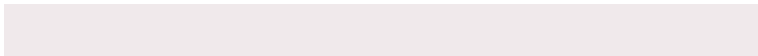
83.0316, 0.3186, 0.3328

Square

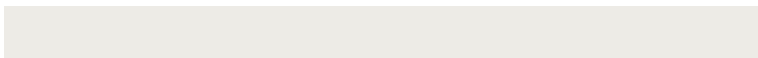
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



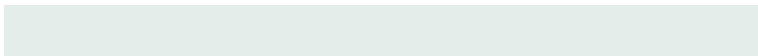
83.0316, 0.3083, 0.3239



83.0316, 0.3168, 0.3277



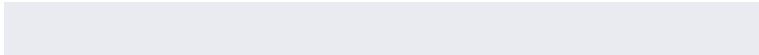
83.0316, 0.3172, 0.3342



83.0316, 0.3087, 0.3303

Rectangle

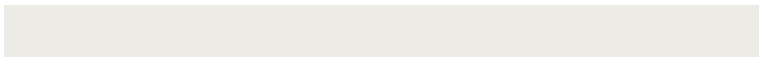
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



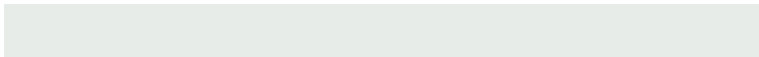
83.0316, 0.3083, 0.3239



83.0316, 0.3130, 0.3247



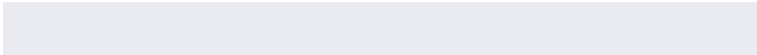
83.0316, 0.3172, 0.3342



83.0316, 0.3125, 0.3334

Sweetspot

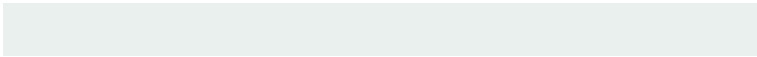
The Sweet Spot groups the original color and five complimentary colors.



83.0351, 0.3083, 0.3239



98.3713, 0.3112, 0.3273



85.7963, 0.3094, 0.3311



21.0727, 0.3113, 0.3274



0.0000, 0.0000, 0.0000



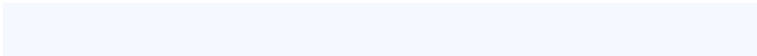
21.4041, 0.3127, 0.3290

Same Dimension

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



83.0351, 0.3083, 0.3239



93.5882, 0.3066, 0.3219



82.1113, 0.3093, 0.3218



17.3192, 0.3055, 0.3206



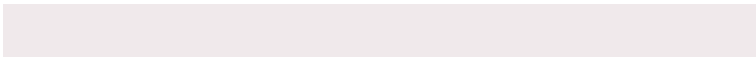
6.0276, 0.1605, 0.0977



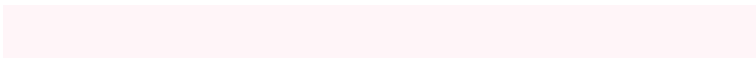
0.6666, 0.1676, 0.1233

Inverse Universe

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



82.7859, 0.3162, 0.3269



93.2067, 0.3175, 0.3262



86.4705, 0.3161, 0.3361



17.2365, 0.3184, 0.3256



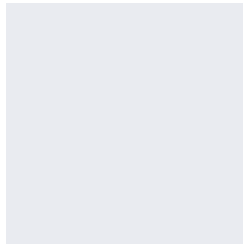
10.4018, 0.5794, 0.2965



0.8820, 0.5420, 0.2760

Previews

White Background



This preview shows how the Yxy color 83.0316, 0.3083, 0.3239 looks on a white background.

Color Contrast Check

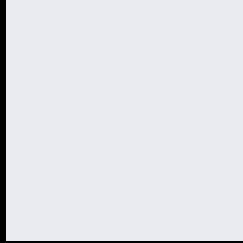
Large Text (above 18pt) WCAG AA × Fail

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 83.0316, 0.3083, 0.3239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

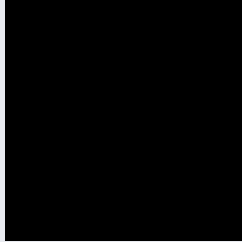
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

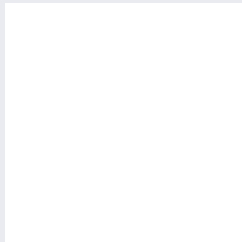
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.0316, 0.3083, 0.3239

Background



This preview shows how black text looks on a background with the Yxy color 83.0316, 0.3083, 0.3239.

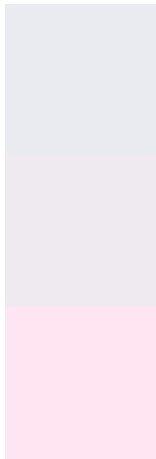


This preview shows how white text looks on a background with the Yxy color 83.0316, 0.3083, 0.3239.

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

83.0316, 0.3083, 0.3239

Protanopia

83.2548, 0.3123, 0.3239

Deuteranopia

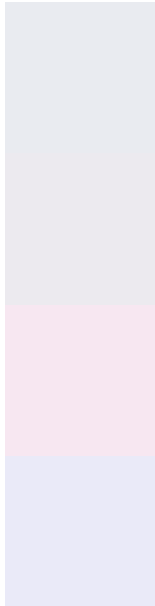
83.0977, 0.3230, 0.3163



Tritanopia

82.9683, 0.3024, 0.3098

Trichromacy



Original Color

83.0316, 0.3083, 0.3239

Protanomaly

82.9105, 0.3109, 0.3239

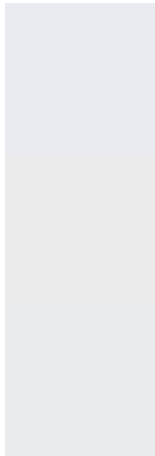
Deuteranomaly

83.2769, 0.3173, 0.3190

Tritanomaly

83.1154, 0.3041, 0.3148

Monochromacy



Original Color

83.0316, 0.3083, 0.3239

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.0235, 0.3108, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.0316, 0.3083, 0.3239 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(233, 235, 240)` looks like.

```
.text, #text, p{  
    color:rgb(233, 235, 240)  
}
```

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(233, 235, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 235, 240) }
```

Border

The CSS property to change the border of an element to Yxy 83.0316, 0.3083, 0.3239 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(233, 235, 240) }
```

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

```
.border{ border-color:rgb(233, 235, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 235, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 235, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 235, 240);  
box-shadow:4px 4px 4px 4px rgb(233, 235,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 83.0316, 0.3083, 0.3239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 235, 240) }
```

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

```
.background{ background-color: rgb(233,  
235, 240) }
```

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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