

Converting Colors

$Yxy(81.5293, 0.3086, 0.3245)$

Have a look what the booklet for
Yxy(81.5293, 0.3086, 0.3245)
contains.

Yxy(81.4398, 0.3083, 0.3238)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(81.4398, 0.3083, 0.3238)

Conversions

Conversions Part 1

Format	Color
Hex	E7E9EE
RGB	231, 233, 238
RGB Percent	91%, 91%, 93%
CMY	0.0939, 0.0863, 0.0666
CMYK	0.03, 0.02, 0.00, 0.07
HSL	223°, 17%, 92%
HSV	223°, 3%, 93%
XYZ	77.5414, 81.4398, 92.5315
YIQ	232.9720, -2.7970, 1.1310

Conversions

Conversions Part 2

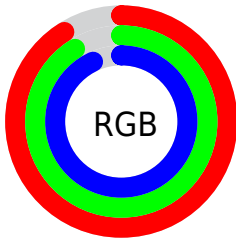
Format	Color
R _Y B	231, 233, 238
Decimal	15198702
CIE Lab	92.33, 0.27, -2.67
CIE LCh	92, 2.684, 275.813
Yxy	81.4398, 0.3083, 0.3238
Android (android.graphics.Color)	4293388782 (0xFFE7E9EE)
YUV	232.9720, 2.4788, -1.7294
Hunter-Lab	90.2440, -4.5525, 2.3779

Details

The Yxy color **81.4398, 0.3083, 0.3238** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **83.9917, 0.3171, 0.3341**, and the grayscale version is **81.4542, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.9356, 0.3070, 0.3223** is the 20% darker color. If you saturate the color by 10%, you get **68.4809, 0.2923, 0.3045**, and if you desaturate by 10%, it is **95.8931, 0.3229, 0.3408**.

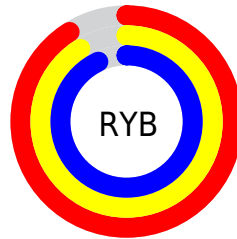
Distribution



Red (91%)

Green (91%)

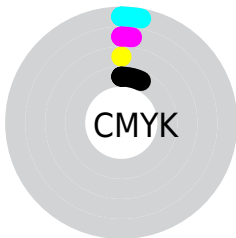
Blue (93%)



Red (91%)

Yellow (91%)

Blue (93%)

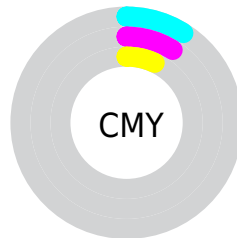


Cyan (3%)

Magenta (2%)

Yellow (0%)

Black (7%)



Cyan (9%)

Magenta (9%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.4398, 0.3083, 0.3238 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 81.4398, 0.3083, 0.3238 by changing the saturation by 10% instead.

81.4398, 0.3083,
0.3238

81.4398, 0.3083,
0.3238

499.7719, 0.3103,
0.3262

60.9039, 0.3079,
0.3233

135.3881, 0.3090,
0.3246

44.1476, 0.3073,
0.3226

169.5693, 0.3093,
0.3249

30.7866, 0.3066,
0.3218

209.0678, 0.3095,
0.3252

20.4364, 0.3057,
0.3208

254.2678, 0.3097,
0.3254

12.7126, 0.3045,
0.3193

305.5538, 0.3099,
0.3257

7.2310, 0.3028,
0.3174

363.3103, 0.3100,

3.6070, 0.3002,

0.3258

0.3143

427.9215, 0.3102,
0.3260

■ 1.4562, 0.2959,
0.3092

■ 0.2576, 0.2576,
0.2639

■ 81.4398, 0.3083,
0.3238

■ 81.4398, 0.3083,
0.3238

■ 68.4809, 0.2923,
0.3045

■ 95.8931, 0.3229,
0.3408

■ 56.9574, 0.2752,
0.2829

■ 98.9539, 0.3226,
0.3454

■ 46.8215, 0.2570,
0.2590

■ 38.0186, 0.2384,
0.2331

■ 30.4907, 0.2198,
0.2059

■ 24.1749, 0.2022,
0.1781

■ 19.0026, 0.1864,
0.1511

■ 14.8973, 0.1733,
0.1262

■ 11.7714, 0.1638,
0.1047

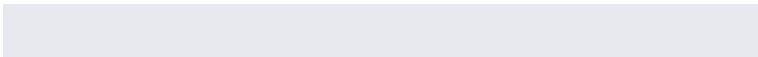
Harmonies

Analogous

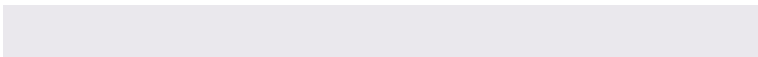
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.4398, 0.3068, 0.3251



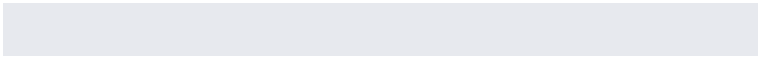
81.4398, 0.3083, 0.3238



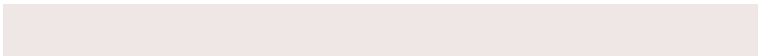
81.4398, 0.3110, 0.3239

Triad

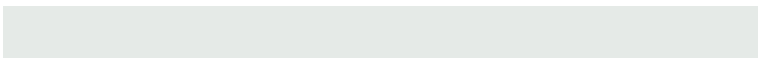
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.4398, 0.3083, 0.3238



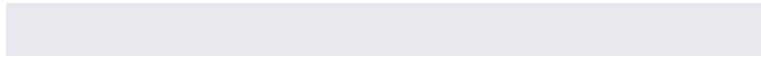
81.4398, 0.3186, 0.3305



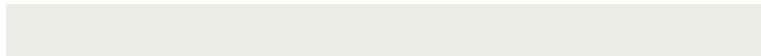
81.4398, 0.3113, 0.3327

Complementary

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



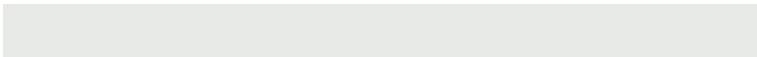
81.4398, 0.3083, 0.3238



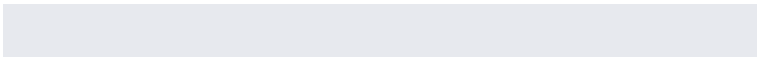
83.9917, 0.3171, 0.3341

Split Complementary

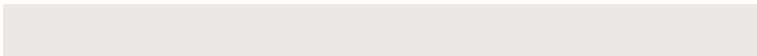
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.4398, 0.3145, 0.3342



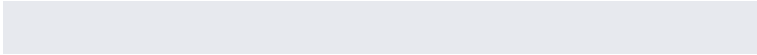
81.4398, 0.3083, 0.3238



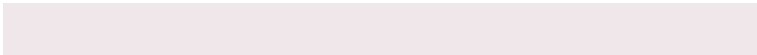
81.4398, 0.3187, 0.3329

Square

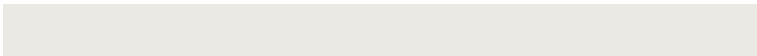
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.4398, 0.3083, 0.3238



81.4398, 0.3169, 0.3278



81.4398, 0.3172, 0.3343



81.4398, 0.3086, 0.3303

Rectangle

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



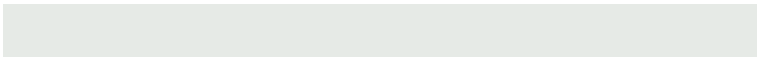
81.4398, 0.3083, 0.3238



81.4398, 0.3131, 0.3247



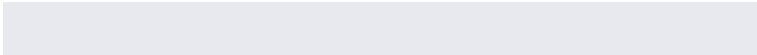
81.4398, 0.3172, 0.3343



81.4398, 0.3124, 0.3334

Sweetspot

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



81.4433, 0.3083, 0.3238



98.3497, 0.3112, 0.3272



84.2147, 0.3093, 0.3310



21.0683, 0.3113, 0.3273



0.0000, 0.0000, 0.0000



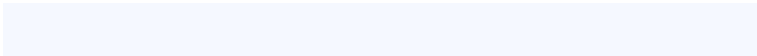
21.4041, 0.3127, 0.3290

Same Dimension

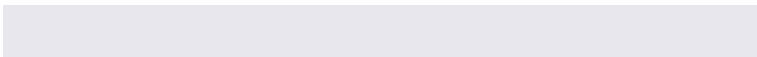
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.4433, 0.3083, 0.3238



93.5043, 0.3066, 0.3218



80.6082, 0.3094, 0.3218



17.3008, 0.3055, 0.3205



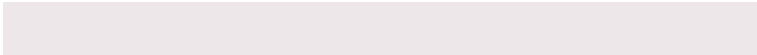
5.8070, 0.1596, 0.0947



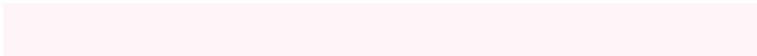
0.6444, 0.1667, 0.1200

Inverse Universe

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



81.2460, 0.3162, 0.3270



93.1983, 0.3176, 0.3263



84.8501, 0.3160, 0.3361



17.2347, 0.3185, 0.3258



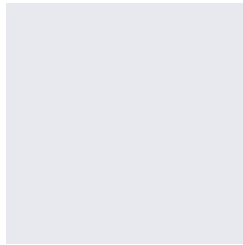
10.3796, 0.5839, 0.2990



0.8798, 0.5467, 0.2785

Previews

White Background



This preview shows how the Yxy color 81.4398, 0.3083, 0.3238 looks on a white background.

Color Contrast Check

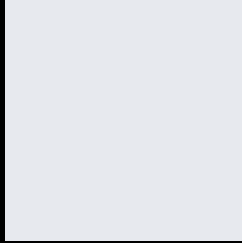
Large Text (above 18pt) WCAG AA × Fail

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 81.4398, 0.3083, 0.3238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

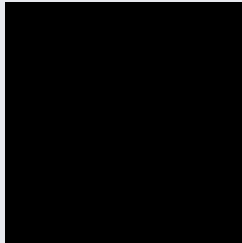
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

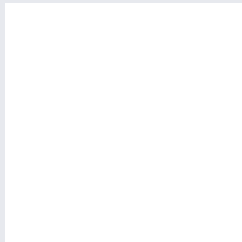
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.4398, 0.3083, 0.3238

Background



This preview shows how black text looks on a background with the Yxy color 81.4398, 0.3083, 0.3238.

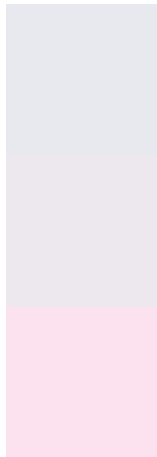


This preview shows how white text looks on a background with the Yxy color 81.4398, 0.3083, 0.3238.

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

81.4398, 0.3083, 0.3238

Protanopia

81.6605, 0.3123, 0.3239

Deuteranopia

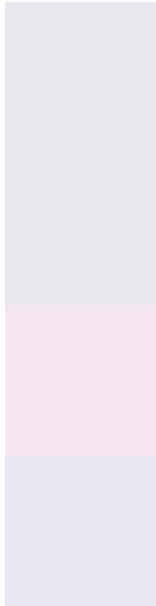
81.3202, 0.3224, 0.3161



Tritanopia

81.3150, 0.3029, 0.3107

Trichromacy



Original Color

81.4398, 0.3083, 0.3238

Protanomaly

81.3201, 0.3109, 0.3239

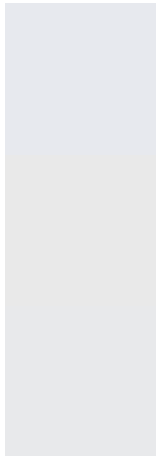
Deuteranomaly

81.5037, 0.3166, 0.3189

Tritanomaly

81.4616, 0.3047, 0.3157

Monochromacy



Original Color

81.4398, 0.3083, 0.3238

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.4318, 0.3108, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.4398, 0.3083, 0.3238 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, 233, 238)` looks like.

```
.text, #text, p{  
    color:rgb(231, 233, 238)  
}
```

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, 233, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 233, 238) }
```

Border

The CSS property to change the border of an element to Yxy 81.4398, 0.3083, 0.3238 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, 233, 238) }
```

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

```
.border{ border-color:rgb(231, 233, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 233, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 233, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 233, 238);  
box-shadow:4px 4px 4px 4px rgb(231, 233,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 81.4398, 0.3083, 0.3238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 233, 238) }
```

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

```
.background{ background-color: rgb(231,  
233, 238) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor