

Converting Colors

$Yxy(81.5980, 0.3113, 0.3211)$

Have a look what the booklet for
Yxy(81.5980, 0.3113, 0.3211)
contains.

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Color

Yxy(81.3883, 0.3117, 0.3208)

Conversions

Conversions Part 1

Format	Color
Hex	EDE7EF
RGB	237, 231, 239
RGB Percent	93%, 91%, 94%
CMY	0.0707, 0.0941, 0.0626
CMYK	0.01, 0.03, 0.00, 0.06
HSL	285°, 20%, 92%
HSV	285°, 3%, 94%
XYZ	79.0796, 81.3883, 93.2363
YIQ	233.7060, 1.0080, 3.7600

Conversions

Conversions Part 2

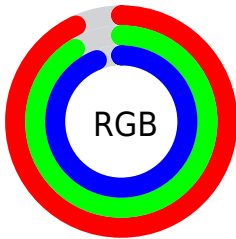
Format	Color
R _Y B	237, 231, 239
Decimal	15591407
CIE Lab	92.30, 3.44, -3.19
CIE LCh	92, 4.690, 317.164
Yxy	81.3883, 0.3117, 0.3208
Android (android.graphics.Color)	4293781487 (0xFFE7E7EF)
YUV	233.7060, 2.6099, 2.8888
Hunter-Lab	90.2155, -1.4105, 1.8755

Details

The Yxy color **81.3883, 0.3117, 0.3208** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.8659, 0.3137, 0.3373**, and the grayscale version is **82.0263, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.9026, 0.3115, 0.3185** is the 20% darker color. If you saturate the color by 10%, you get **67.8701, 0.3082, 0.2954**, and if you desaturate by 10%, it is **96.7773, 0.3145, 0.3446**.

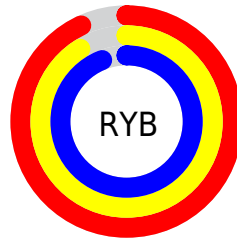
Distribution



Red (93%)

Green (91%)

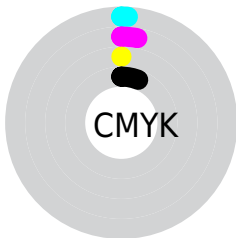
Blue (94%)



Red (93%)

Yellow (91%)

Blue (94%)

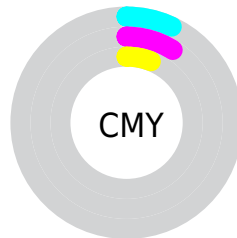


Cyan (1%)

Magenta (3%)

Yellow (0%)

Black (6%)



Cyan (7%)

Magenta (9%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.3883, 0.3117, 0.3208 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 81.3883, 0.3117, 0.3208 by changing the saturation by 10% instead.

81.3883, 0.3117,
0.3208

81.3883, 0.3117,
0.3208

499.5993, 0.3122,
0.3245

60.8615, 0.3116,
0.3200

135.3159, 0.3119,
0.3221

44.1134, 0.3115,
0.3190

169.4854, 0.3119,
0.3226

30.7596, 0.3113,
0.3177

208.9712, 0.3120,
0.3230

20.4159, 0.3111,
0.3161

254.1578, 0.3120,
0.3234

12.6977, 0.3108,
0.3139

305.4295, 0.3121,
0.3237

7.2207, 0.3103,
0.3108

363.1707, 0.3121,

3.6005, 0.3096,

0.3240

0.3062

427.7658, 0.3121,
0.3243

■ 1.4527, 0.3084,
0.2985

■ 0.2551, 0.3016,
0.2357

■ 81.3883, 0.3117,
0.3208

■ 81.3883, 0.3117,
0.3208

■ 67.8701, 0.3082,
0.2954

■ 96.7773, 0.3145,
0.3446

■ 56.1381, 0.3041,
0.2688

■ 97.9468, 0.3184,
0.3445

■ 46.1171, 0.2993,
0.2417

■ 99.0146, 0.3220,
0.3444

■ 37.7220, 0.2937,
0.2149

■ 30.8607, 0.2875,
0.1895

■ 25.4315, 0.2809,
0.1666

■ 21.3203, 0.2739,
0.1474

■ 18.3951, 0.2668,
0.1326

■ 16.4957, 0.2600,
0.1226

Harmonies

Analogous

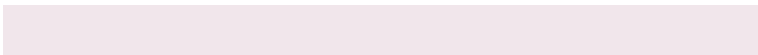
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.3883, 0.3066, 0.3197



81.3883, 0.3117, 0.3208



81.3883, 0.3172, 0.3241

Triad

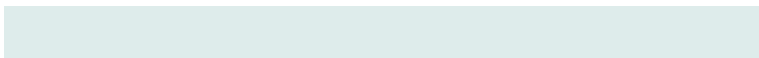
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.3883, 0.3117, 0.3208



81.3883, 0.3224, 0.3370



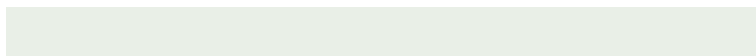
81.3883, 0.3041, 0.3293

Complementary

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



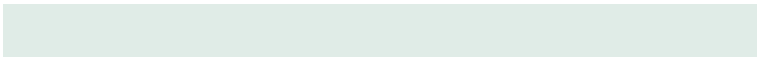
81.3883, 0.3117, 0.3208



84.8659, 0.3137, 0.3373

Split Complementary

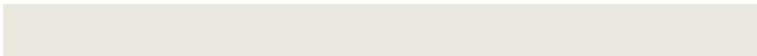
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.3883, 0.3083, 0.3341



81.3883, 0.3117, 0.3208



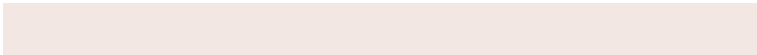
81.3883, 0.3189, 0.3385

Square

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



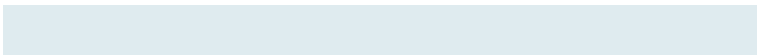
81.3883, 0.3117, 0.3208



81.3883, 0.3234, 0.3334



81.3883, 0.3137, 0.3374



81.3883, 0.3022, 0.3245

Rectangle

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



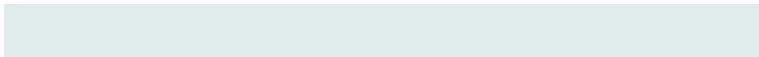
81.3883, 0.3117, 0.3208



81.3883, 0.3202, 0.3270



81.3883, 0.3137, 0.3374



81.3883, 0.3053, 0.3310

Sweetspot

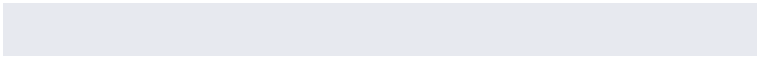
The Sweet Spot groups the original color and five complimentary colors.



81.3918, 0.3117, 0.3208



98.2595, 0.3124, 0.3266



81.5888, 0.3076, 0.3229



21.0499, 0.3124, 0.3267



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.



81.3918, 0.3117, 0.3208



93.1692, 0.3115, 0.3192



81.6397, 0.3143, 0.3227



17.2280, 0.3113, 0.3174



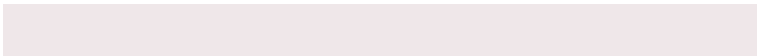
8.7057, 0.2566, 0.1187



0.7715, 0.2654, 0.1236

Inverse Universe

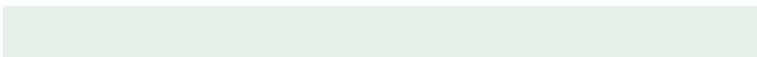
The Inverse Universe completely reimagines the original color for something new.



81.4030, 0.3169, 0.3269



93.1856, 0.3177, 0.3265



84.6261, 0.3112, 0.3353



17.2319, 0.3187, 0.3260



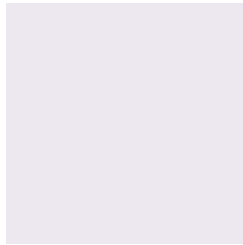
10.3485, 0.5905, 0.3027



0.8766, 0.5535, 0.2823

Previews

White Background



This preview shows how the Yxy color 81.3883, 0.3117, 0.3208 looks on a white background.

Color Contrast Check

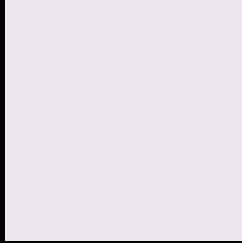
Large Text (above 18pt) WCAG AA × Fail

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 81.3883, 0.3117, 0.3208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

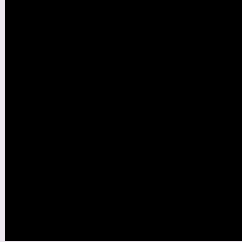
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

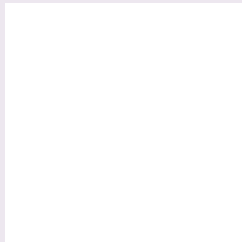
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.3883, 0.3117, 0.3208

Background



This preview shows how black text looks on a background with the Yxy color 81.3883, 0.3117, 0.3208.

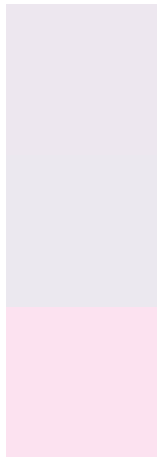


This preview shows how white text looks on a background with the Yxy color 81.3883, 0.3117, 0.3208.

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

81.3883, 0.3117, 0.3208

Protanopia

81.6074, 0.3104, 0.3218

Deuteranopia

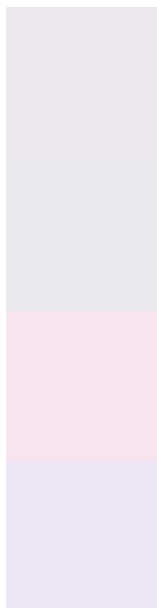
81.3794, 0.3217, 0.3152



Tritanopia

81.5481, 0.3068, 0.3108

Trichromacy



Original Color

81.3883, 0.3117, 0.3208

Protanomaly

81.7781, 0.3110, 0.3218

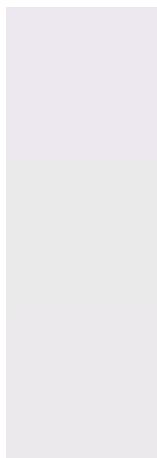
Deuteranomaly

81.5522, 0.3181, 0.3170

Tritanomaly

81.3633, 0.3087, 0.3138

Monochromacy



Original Color

81.3883, 0.3117, 0.3208

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

81.9961, 0.3122, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.3883, 0.3117, 0.3208 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(237, 231, 239)` looks like.

```
.text, #text, p{  
    color:rgb(237, 231, 239)  
}
```

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(237, 231, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 231, 239) }
```

Border

The CSS property to change the border of an element to Yxy 81.3883, 0.3117, 0.3208 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(237, 231, 239) }
```

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

```
.border{ border-color:rgb(237, 231, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 231, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 231, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 231, 239);  
box-shadow:4px 4px 4px 4px rgb(237, 231,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 81.3883, 0.3117, 0.3208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 231, 239) }
```

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

```
.background{ background-color: rgb(237,  
231, 239) }
```

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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