

Converting Colors

$Y_{xy}(80.5875, 0.3098, 0.3225)$

Have a look what the booklet for
Yxy(80.5875, 0.3098, 0.3225)
contains.

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Color

Yxy(80.5899, 0.3103, 0.3228)

Conversions

Conversions Part 1

Format	Color
Hex	E9E7ED
RGB	233, 231, 237
RGB Percent	91%, 91%, 93%
CMY	0.0862, 0.0941, 0.0705
CMYK	0.02, 0.03, 0.00, 0.07
HSL	260°, 14%, 92%
HSV	260°, 3%, 93%
XYZ	77.4692, 80.5899, 91.5999
YIQ	232.2820, -0.7340, 2.2900

Conversions

Conversions Part 2

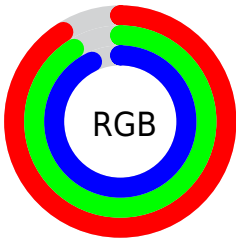
Format	Color
R_{YB}	233, 231, 237
Decimal	15329261
CIE _{Lab}	91.95, 1.76, -2.68
CIE _{LCh}	92, 3.208, 303.206
Yxy	80.5899, 0.3103, 0.3228
Android (android.graphics.Color)	4293519341 (0xFFE9E7ED)
YUV	232.2820, 2.3260, 0.6297
Hunter-Lab	89.7719, -3.0632, 2.3430

Details

The Yxy color **80.5899, 0.3103, 0.3228** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **84.0068, 0.3151, 0.3352**, and the grayscale version is **80.9042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.3433, 0.3096, 0.3210** is the 20% darker color. If you saturate the color by 10%, you get **65.6732, 0.2998, 0.2967**, and if you desaturate by 10%, it is **97.5476, 0.3193, 0.3463**.

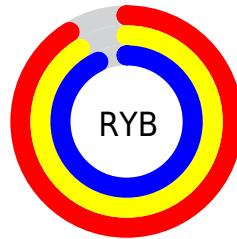
Distribution



Red (91%)

Green (91%)

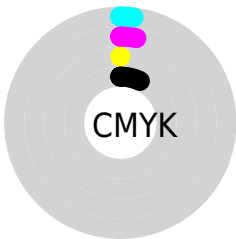
Blue (93%)



Red (91%)

Yellow (91%)

Blue (93%)

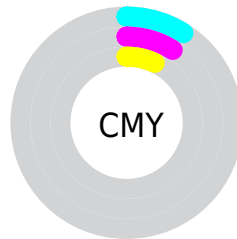


Cyan (2%)

Magenta (3%)

Yellow (0%)

Black (7%)



Cyan (9%)

Magenta (9%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.5899, 0.3103, 0.3228 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 80.5899, 0.3103, 0.3228 by changing the saturation by 10% instead.

80.5899, 0.3103,
0.3228

80.5899, 0.3103,
0.3228

496.9186, 0.3114,
0.3256

60.2039, 0.3101,
0.3222

134.1948, 0.3107,
0.3238

43.5830, 0.3097,
0.3214

168.1825, 0.3108,
0.3241

30.3428, 0.3094,
0.3204

207.4728, 0.3110,
0.3245

20.0989, 0.3089,
0.3192

252.4502, 0.3111,
0.3248

12.4670, 0.3082,
0.3175

303.4991, 0.3112,
0.3250

7.0626, 0.3072,
0.3151

361.0039, 0.3113,

3.5013, 0.3058,

0.3252

0.3115

425.3489, 0.3113,
0.3254

■ 1.3987, 0.3032,
0.3055

■ 0.2158, 0.2798,
0.2434

■ 80.5899, 0.3103,
0.3228

■ 80.5899, 0.3103,
0.3228

■ 65.6732, 0.2998,
0.2967

■ 97.5476, 0.3193,
0.3463

■ 52.7091, 0.2877,
0.2681

■ 98.8950, 0.3232,
0.3463

■ 41.6182, 0.2739,
0.2375

■ 32.3114, 0.2587,
0.2055

■ 24.6925, 0.2424,
0.1736

■ 18.6556, 0.2256,
0.1433

■ 14.0826, 0.2092,
0.1165

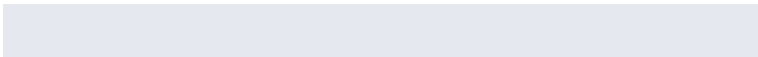
■ 10.8382, 0.1941,
0.0951

■ 8.7598, 0.1812,
0.0801

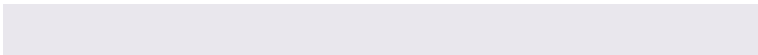
Harmonies

Analogous

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



80.5899, 0.3072, 0.3228



80.5899, 0.3103, 0.3228



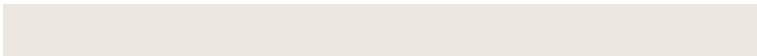
80.5899, 0.3141, 0.3244

Triad

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



80.5899, 0.3103, 0.3228



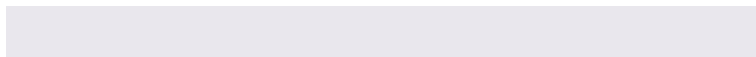
80.5899, 0.3199, 0.3335



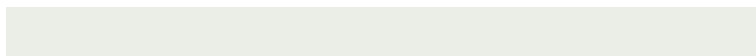
80.5899, 0.3080, 0.3308

Complementary

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



80.5899, 0.3103, 0.3228



84.0068, 0.3151, 0.3352

Split Complementary

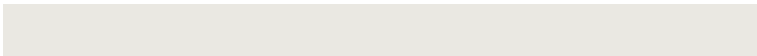
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.5899, 0.3114, 0.3337



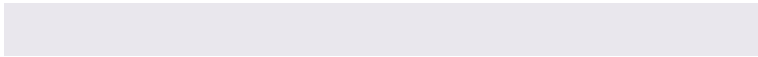
80.5899, 0.3103, 0.3228



80.5899, 0.3183, 0.3352

Square

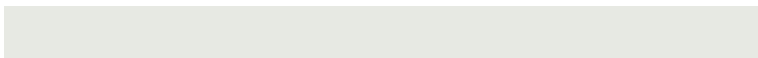
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



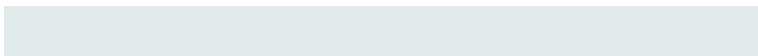
80.5899, 0.3103, 0.3228



80.5899, 0.3196, 0.3305



80.5899, 0.3151, 0.3353



80.5899, 0.3059, 0.3274

Rectangle

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



80.5899, 0.3103, 0.3228



80.5899, 0.3165, 0.3262



80.5899, 0.3151, 0.3353



80.5899, 0.3090, 0.3319

Sweetspot

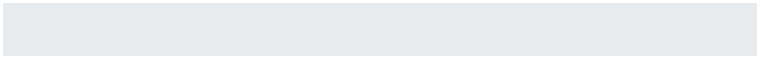
The Sweet Spot groups the original color and five complimentary colors.



80.5934, 0.3103, 0.3228



98.0631, 0.3118, 0.3266



82.5254, 0.3088, 0.3269



21.0100, 0.3118, 0.3267



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

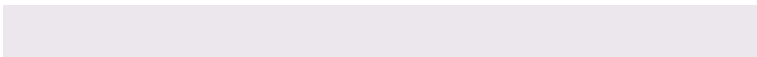
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.5934, 0.3103, 0.3228



94.2624, 0.3098, 0.3216



81.1026, 0.3123, 0.3228



16.6036, 0.3091, 0.3197



4.3140, 0.1748, 0.0736



0.3897, 0.1899, 0.0820

Inverse Universe

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



81.1578, 0.3143, 0.3249



95.0523, 0.3146, 0.3241



83.5005, 0.3131, 0.3352



16.7804, 0.3151, 0.3229



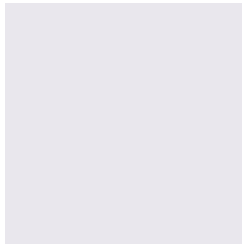
11.1997, 0.4275, 0.2128



0.8972, 0.4089, 0.2026

Previews

White Background



This preview shows how the Yxy color 80.5899, 0.3103, 0.3228 looks on a white background.

Color Contrast Check

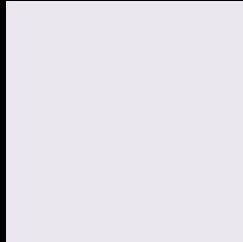
Large Text (above 18pt) WCAG AA × Fail

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 80.5899, 0.3103, 0.3228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

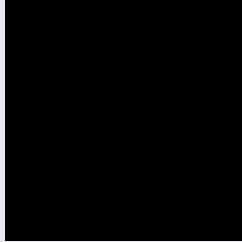
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

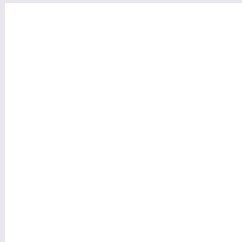
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.5899, 0.3103, 0.3228

Background



This preview shows how black text looks on a background with the Yxy color 80.5899, 0.3103, 0.3228.

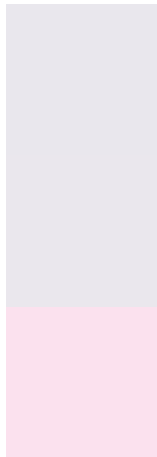


This preview shows how white text looks on a background with the Yxy color 80.5899, 0.3103, 0.3228.

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

80.5899, 0.3103, 0.3228

Protanopia

80.7587, 0.3110, 0.3228

Deuteranopia

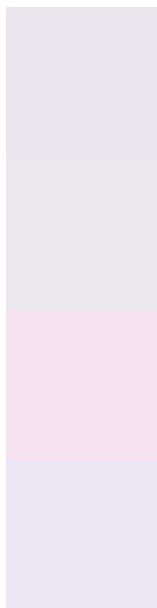
80.5327, 0.3224, 0.3161



Tritanopia

80.4162, 0.3055, 0.3107

Trichromacy



Original Color

80.5899, 0.3103, 0.3228

Protanomaly

80.7587, 0.3110, 0.3228

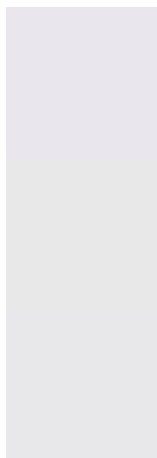
Deuteranomaly

80.3443, 0.3174, 0.3179

Tritanomaly

80.5571, 0.3073, 0.3157

Monochromacy



Original Color

80.5899, 0.3103, 0.3228

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.8095, 0.3115, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5899, 0.3103, 0.3228 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, 231, 237)` looks like.

```
.text, #text, p{  
    color:rgb(233, 231, 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(233, 231, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 231, 237) }
```

Border

The CSS property to change the border of an element to Yxy 80.5899, 0.3103, 0.3228 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, 231, 237) }
```

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

```
.border{ border-color:rgb(233, 231, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 231, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 231, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 231, 237);  
box-shadow:4px 4px 4px 4px rgb(233, 231,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5899, 0.3103, 0.3228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 231, 237) }
```

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

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