

Converting Colors

$Y_{xy}(80.6840, 0.3158, 0.3282)$

Have a look what the booklet for
Yxy(80.6840, 0.3158, 0.3282)
contains.

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Color

Yxy(80.8109, 0.3155, 0.3280)

Conversions

Conversions Part 1

Format	Color
Hex	ECE7E8
RGB	236, 231, 232
RGB Percent	93%, 91%, 91%
CMY	0.0745, 0.0941, 0.0903
CMYK	0.00, 0.02, 0.02, 0.07
HSL	348°, 12%, 92%
HSV	348°, 2%, 93%
XYZ	77.7312, 80.8109, 87.8326
YIQ	232.6090, 2.6590, 1.3710

Conversions

Conversions Part 2

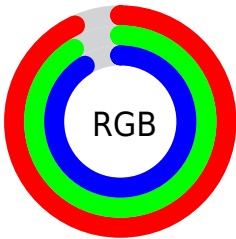
Format	Color
R _Y B	236, 231, 232
Decimal	15525864
CIE Lab	92.05, 1.86, 0.11
CIE LCh	92, 1.861, 3.410
Yxy	80.8109, 0.3155, 0.3280
Android (android.graphics.Color)	4293715944 (0xFFECE7E8)
YUV	232.6090, -0.3002, 2.9739
Hunter-Lab	89.8949, -2.9689, 4.9966

Details

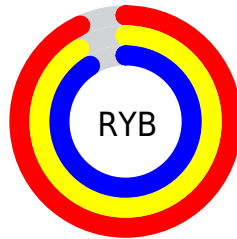
The Yxy color **80.8109, 0.3155, 0.3280** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **82.9806, 0.3100, 0.3300**, and the grayscale version is **81.1786, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.4978, 0.3163, 0.3277** is the 20% darker color. If you saturate the color by 10%, you get **67.4606, 0.3305, 0.3231**, and if you desaturate by 10%, it is **96.0658, 0.3034, 0.3326**.

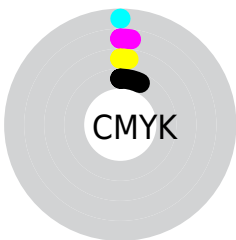
Distribution



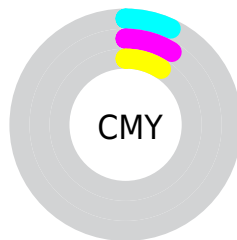
- Red (93%)
- Green (91%)
- Blue (91%)



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



- Cyan (0%)
- Magenta (2%)
- Yellow (2%)
- Black (7%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.8109, 0.3155, 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 80.8109, 0.3155, 0.3280 by changing the saturation by 10% instead.

80.8109, 0.3155,
0.3280

80.8109, 0.3155,
0.3280

497.6614, 0.3142,
0.3285

60.3859, 0.3158,
0.3279

134.5052, 0.3151,
0.3282

43.7297, 0.3161,
0.3278

168.5433, 0.3149,
0.3282

30.4581, 0.3166,
0.3276

207.8878, 0.3148,
0.3283

20.1866, 0.3171,
0.3274

252.9232, 0.3146,
0.3283

12.5307, 0.3179,
0.3271

304.0339, 0.3145,
0.3284

7.1062, 0.3190,
0.3267

361.6042, 0.3144,

3.5286, 0.3206,

0.3284

0.3261

426.0186, 0.3143,
0.3284

■ 1.4135, 0.3234,
0.3251

■ 0.2267, 0.3590,
0.3120

■ 80.8109, 0.3155,
0.3280

■ 80.8109, 0.3155,
0.3280

■ 67.4606, 0.3305,
0.3231

■ 96.0658, 0.3034,
0.3326

■ 55.9301, 0.3491,
0.3178

■ 96.5729, 0.3011,
0.3290

■ 46.1433, 0.3720,
0.3125

■ 38.0152, 0.4000,
0.3073

■ 31.4532, 0.4334,
0.3028

■ 26.3560, 0.4718,
0.2998

■ 22.6099, 0.5134,
0.2993

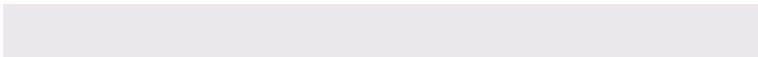
■ 20.0847, 0.5545,
0.3020

■ 18.6240, 0.5901,
0.3081

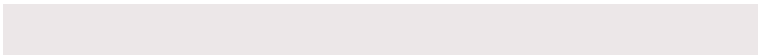
Harmonies

Analogous

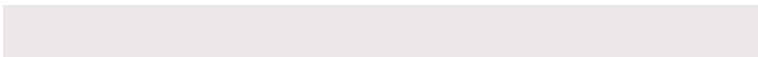
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.8109, 0.3135, 0.3263



80.8109, 0.3155, 0.3280



80.8109, 0.3167, 0.3299

Triad

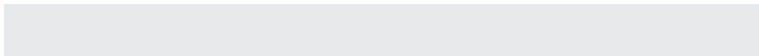
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.8109, 0.3155, 0.3280



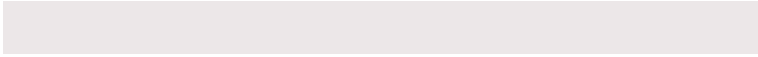
80.8109, 0.3141, 0.3327



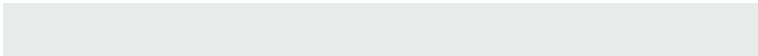
80.8109, 0.3086, 0.3264

Complementary

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



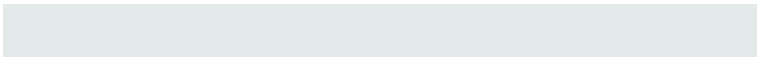
80.8109, 0.3155, 0.3280



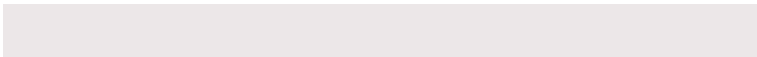
82.9806, 0.3100, 0.3300

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.



80.8109, 0.3087, 0.3281



80.8109, 0.3155, 0.3280



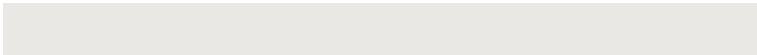
80.8109, 0.3119, 0.3317

Square

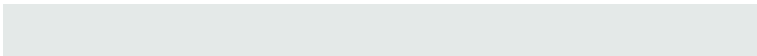
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



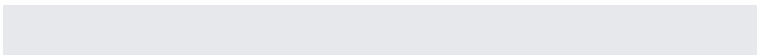
80.8109, 0.3155, 0.3280



80.8109, 0.3159, 0.3326



80.8109, 0.3100, 0.3300



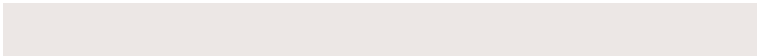
80.8109, 0.3095, 0.3254

Rectangle

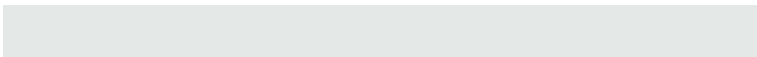
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.8109, 0.3155, 0.3280



80.8109, 0.3170, 0.3311



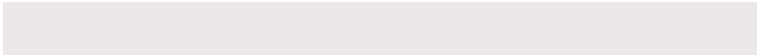
80.8109, 0.3100, 0.3300



80.8109, 0.3085, 0.3269

Sweetspot

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



80.8144, 0.3155, 0.3280



98.2524, 0.3140, 0.3285



80.8748, 0.3123, 0.3239



21.0485, 0.3140, 0.3286



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

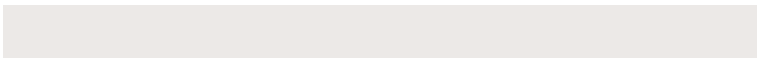
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.8144, 0.3155, 0.3280



94.8258, 0.3167, 0.3276



81.6010, 0.3160, 0.3306



16.7298, 0.3178, 0.3272



9.9537, 0.6083, 0.3125



0.7948, 0.5711, 0.2920

Inverse Universe

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



80.8144, 0.3155, 0.3280



94.8258, 0.3167, 0.3276



82.1784, 0.3095, 0.3274



16.7298, 0.3178, 0.3272



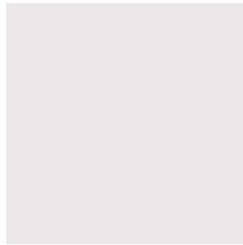
9.9537, 0.6083, 0.3125



0.7948, 0.5711, 0.2920

Previews

White Background



This preview shows how the Yxy color 80.8109, 0.3155, 0.3280 looks on a white background.

Color Contrast Check

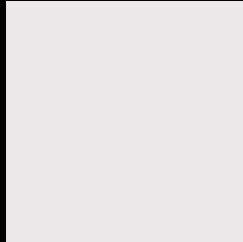
Large Text (above 18pt) WCAG AA × Fail

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 80.8109, 0.3155, 0.3280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

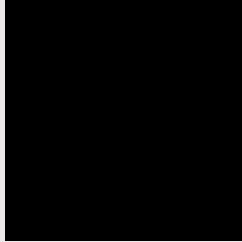
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

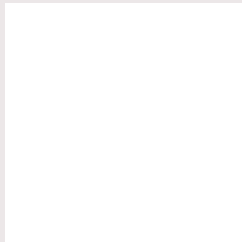
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.8109, 0.3155, 0.3280

Background



This preview shows how black text looks on a background with the Yxy color 80.8109, 0.3155, 0.3280.

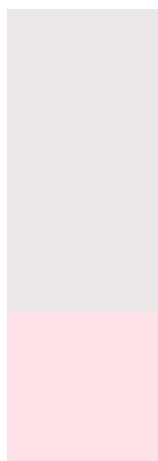


This preview shows how white text looks on a background with the Yxy color 80.8109, 0.3155, 0.3280.

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

80.8109, 0.3155, 0.3280

Protanopia

80.8109, 0.3155, 0.3280

Deuteranopia

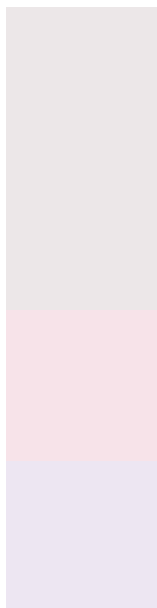
80.8045, 0.3279, 0.3211



Tritanopia

80.9312, 0.3075, 0.3108

Trichromacy



Original Color

80.8109, 0.3155, 0.3280

Protanomaly

80.8109, 0.3155, 0.3280

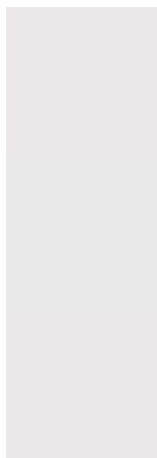
Deuteranomaly

80.5955, 0.3227, 0.3230

Tritanomaly

81.0090, 0.3099, 0.3168

Monochromacy



Original Color

80.8109, 0.3155, 0.3280

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.0888, 0.3134, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8109, 0.3155, 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(236, 231, 232)` looks like.

```
.text, #text, p{  
    color:rgb(236, 231, 232)  
}
```

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(236, 231, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 231, 232) }
```

Border

The CSS property to change the border of an element to Yxy 80.8109, 0.3155, 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(236, 231, 232) }
```

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

```
.border{ border-color:rgb(236, 231, 232) }
```

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

Here you see how a box with a 4 pixel rgb(236, 231, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 231, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 231, 232);  
box-shadow:4px 4px 4px 4px rgb(236, 231,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8109, 0.3155, 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(236, 231, 232) }
```

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

```
.background{ background-color: rgb(236,  
231, 232) }
```

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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