

Converting Colors

$Y_{xy}(81.0299, 0.3112, 0.3266)$

Have a look what the booklet for
Yxy(81.0299, 0.3112, 0.3266)
contains.

| | |
|---|----|
| Yxy(80.8672, 0.3108, 0.3259) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 23 |
| Color Blindness Simulation | 26 |
| CSS Examples | 29 |

Color

Yxy(80.8672, 0.3108, 0.3259)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | E8E8EB |
| RGB | 232, 232, 235 |
| RGB Percent | 91%, 91%, 92% |
| CMY | 0.0904, 0.0901, 0.0784 |
| CMYK | 0.01, 0.01, 0.00, 0.08 |
| HSL | 239°, 7%, 92% |
| HSV | 239°, 1%, 92% |
| XYZ | 77.1204, 80.8672, 90.1474 |
| YIQ | 232.3420, -0.9630, 0.9330 |

Conversions

Conversions Part 2

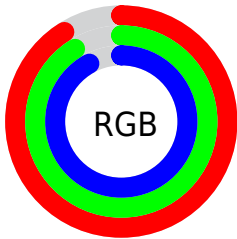
| Format | Color |
|-------------------------------------|------------------------------|
| R _Y B | 232, 232, 235 |
| Decimal | 15263979 |
| CIE Lab | 92.07, 0.52, -1.47 |
| CIE LCh | 92, 1.557, 289.569 |
| Yxy | 80.8672, 0.3108, 0.3259 |
| Android (android.graphics.Color) | 4293454059 (0xFFE8E8EB) |
| YUV | 232.3420, 1.3104, -0.2999 |
| Hunter-Lab | 89.9262, -4.2899, 3.5125 |

Details

The Yxy color **80.8672, 0.3108, 0.3259** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **82.8729, 0.3146, 0.3321**, and the grayscale version is **80.9540, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.5354, 0.3103, 0.3250** is the 20% darker color. If you saturate the color by 10%, you get **65.0797, 0.2949, 0.3002**, and if you desaturate by 10%, it is **98.7787, 0.3244, 0.3483**.

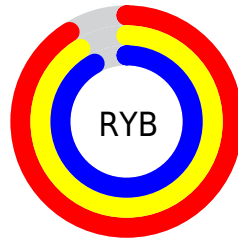
Distribution



Red (91%)

Green (91%)

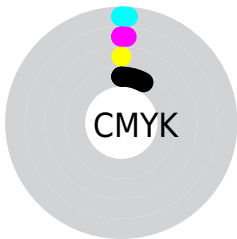
Blue (92%)



Red (91%)

Yellow (91%)

Blue (92%)

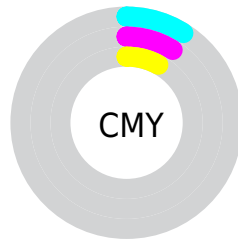


Cyan (1%)

Magenta (1%)

Yellow (0%)

Black (8%)



Cyan (9%)

Magenta (9%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.8672, 0.3108, 0.3259 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 80.8672, 0.3108, 0.3259 by changing the saturation by 10% instead.

■ 80.8672, 0.3108,
0.3259

■ 80.8672, 0.3108,
0.3259

497.8506, 0.3117,
0.3273

■ 60.4322, 0.3106,
0.3256

134.5843, 0.3111,
0.3264

■ 43.7671, 0.3104,
0.3252

168.6352, 0.3112,
0.3266

■ 30.4875, 0.3101,
0.3247

207.9935, 0.3113,
0.3267

■ 20.2089, 0.3097,
0.3241

253.0437, 0.3114,
0.3269

■ 12.5470, 0.3091,
0.3232

304.1701, 0.3115,
0.3270

■ 7.1173, 0.3084,
0.3220

361.7571, 0.3116,

■ 3.5356, 0.3073,

0.3271

426.1891, 0.3116,
0.3272

0.3202

■ 1.4173, 0.3053,
0.3171

■ 0.2294, 0.2840,
0.2823

■ 80.8672, 0.3108,
0.3259

■ 80.8672, 0.3108,
0.3259

■ 65.0797, 0.2949,
0.3002

■ 98.7787, 0.3244,
0.3483

■ 51.4244, 0.2770,
0.2710

■ 39.8132, 0.2572,
0.2388

■ 30.1477, 0.2361,
0.2043

■ 22.3217, 0.2146,
0.1690

■ 16.2183, 0.1942,
0.1351

■ 11.7079, 0.1763,
0.1054

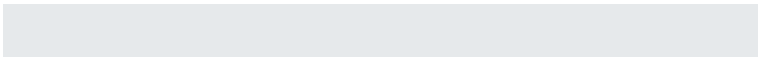
■ 8.6419, 0.1626,
0.0822

■ 6.8444, 0.1540,
0.0674

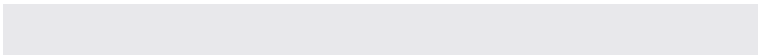
Harmonies

Analogous

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



80.8672, 0.3096, 0.3263



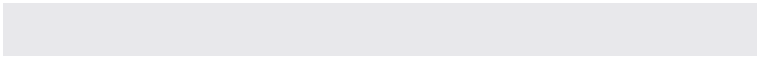
80.8672, 0.3108, 0.3259



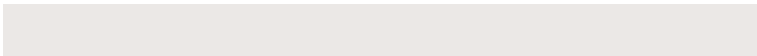
80.8672, 0.3125, 0.3263

Triad

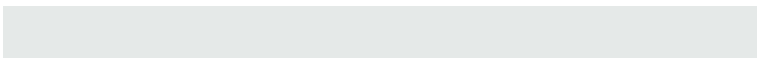
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.8672, 0.3108, 0.3259



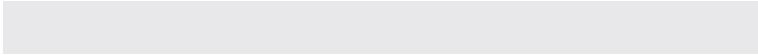
80.8672, 0.3163, 0.3306



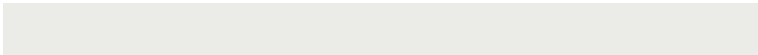
80.8672, 0.3111, 0.3306

Complementary

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



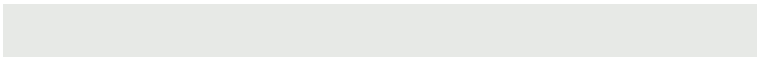
80.8672, 0.3108, 0.3259



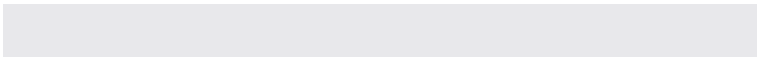
82.8729, 0.3146, 0.3321

Split Complementary

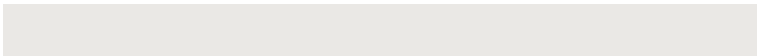
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.8672, 0.3129, 0.3317



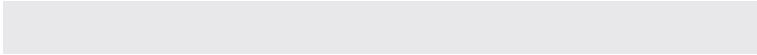
80.8672, 0.3108, 0.3259



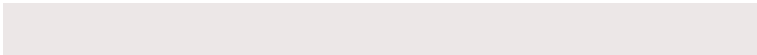
80.8672, 0.3159, 0.3317

Square

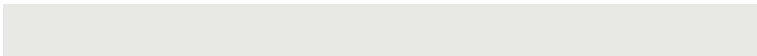
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



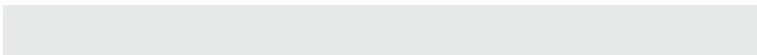
80.8672, 0.3108, 0.3259



80.8672, 0.3157, 0.3290



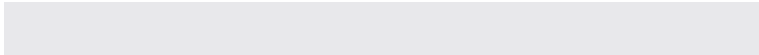
80.8672, 0.3146, 0.3322



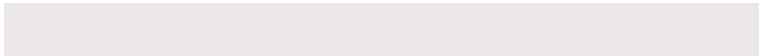
80.8672, 0.3098, 0.3290

Rectangle

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



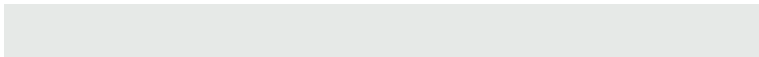
80.8672, 0.3108, 0.3259



80.8672, 0.3138, 0.3270



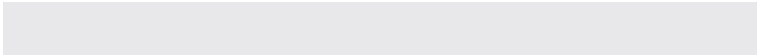
80.8672, 0.3146, 0.3322



80.8672, 0.3117, 0.3310

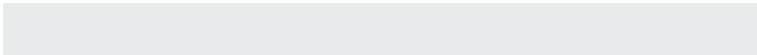
Sweetspot

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



80.8707, 0.3108, 0.3259

100.0000, 0.3127, 0.3290



82.5631, 0.3107, 0.3291



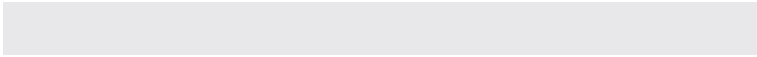
21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

Same Dimension

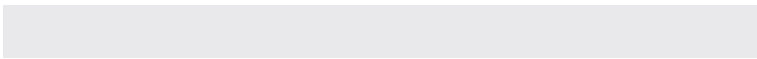
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.8707, 0.3108, 0.3259



95.9008, 0.3097, 0.3242



81.0742, 0.3118, 0.3258



17.1953, 0.3099, 0.3245



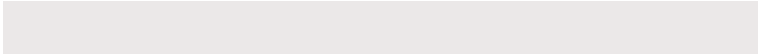
3.4204, 0.1504, 0.0613



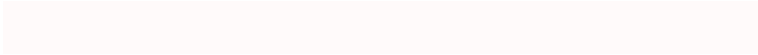
0.2864, 0.1514, 0.0650

Inverse Universe

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



81.1788, 0.3147, 0.3289



96.4716, 0.3159, 0.3289



82.6678, 0.3137, 0.3322



17.2916, 0.3157, 0.3289



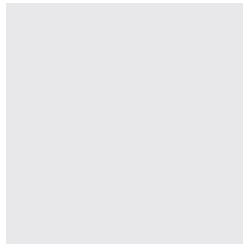
9.8381, 0.6378, 0.3287



0.7743, 0.6317, 0.3253

Previews

White Background



This preview shows how the Yxy color 80.8672, 0.3108, 0.3259 looks on a white background.

Color Contrast Check

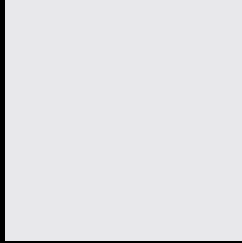
Large Text (above 18pt) WCAG AA × Fail

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 80.8672, 0.3108, 0.3259 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

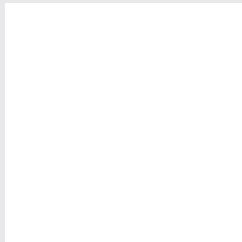
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.8672, 0.3108, 0.3259

Background



This preview shows how black text looks on a background with the Yxy color 80.8672, 0.3108, 0.3259.

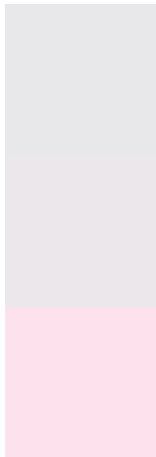


This preview shows how white text looks on a background with the Yxy color 80.8672, 0.3108, 0.3259.

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

80.8672, 0.3108, 0.3259

Protanopia

80.7545, 0.3135, 0.3259

Deuteranopia

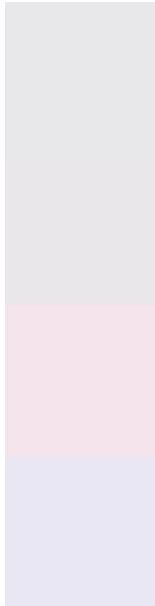
80.7892, 0.3251, 0.3181



Tritanopia

80.8634, 0.3042, 0.3107

Trichromacy



Original Color

80.8672, 0.3108, 0.3259

Protanomaly

80.5848, 0.3129, 0.3259

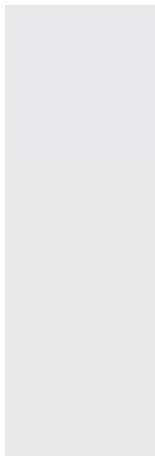
Deuteranomaly

80.9554, 0.3193, 0.3210

Tritanomaly

80.9465, 0.3066, 0.3167

Monochromacy



Original Color

80.8672, 0.3108, 0.3259

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.7522, 0.3121, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8672, 0.3108, 0.3259 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(232, 232, 235)` looks like.

```
.text, #text, p{  
    color:rgb(232, 232, 235)  
}
```

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(232, 232, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 232, 235) }
```

Border

The CSS property to change the border of an element to Yxy 80.8672, 0.3108, 0.3259 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(232, 232, 235) }
```

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

```
.border{ border-color:rgb(232, 232, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 232, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 232, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 232, 235);  
box-shadow:4px 4px 4px 4px rgb(232, 232,  
235) }
```

Background

The CSS property to change the background color of an element to Yxy 80.8672, 0.3108, 0.3259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 232, 235) }
```

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

```
.background{ background-color: rgb(232,  
232, 235) }
```

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