

Converting Colors

$Yxy(80.2917, 0.3083, 0.3294)$

Have a look what the booklet for
Yxy(80.2917, 0.3083, 0.3294)
contains.

Yxy(80.3298, 0.3080, 0.3290)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(80.3298, 0.3080, 0.3290)

Conversions

Conversions Part 1

Format	Color
Hex	E2E9E9
RGB	226, 233, 233
RGB Percent	89%, 91%, 91%
CMY	0.1139, 0.0862, 0.0863
CMYK	0.03, 0.00, 0.00, 0.09
HSL	180°, 14%, 90%
HSV	180°, 3%, 91%
XYZ	75.2024, 80.3298, 88.6314
YIQ	230.9070, -4.1720, -1.4840

Conversions

Conversions Part 2

Format	Color
R _Y B	226, 230, 233
Decimal	14871017
CIE Lab	91.83, -2.34, -0.82
CIE LCh	92, 2.483, 199.344
Yxy	80.3298, 0.3080, 0.3290
Android (android.graphics.Color)	4293061097 (0xFFE2E9E9)
YUV	230.9070, 1.0318, -4.3034
Hunter-Lab	89.6269, -7.0748, 4.1074

Details

The Yxy color **80.3298, 0.3080, 0.3290** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **77.1902, 0.3176, 0.3290**, and the grayscale version is **79.8313, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.2765, 0.3075, 0.3290** is the 20% darker color. If you saturate the color by 10%, you get **76.8165, 0.2929, 0.3290**, and if you desaturate by 10%, it is **84.3619, 0.3238, 0.3290**.

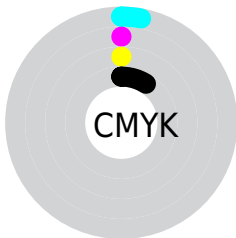
Distribution



- Red (89%)
- Green (91%)
- Blue (91%)



- Red (89%)
- Yellow (90%)
- Blue (91%)



- Cyan (3%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)



- Cyan (11%)
- Magenta (9%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.3298, 0.3080, 0.3290 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 80.3298, 0.3080, 0.3290 by changing the saturation by 10% instead.

■ 80.3298, 0.3080,
0.3290

■ 80.3298, 0.3080,
0.3290

496.0436, 0.3101,
0.3290

■ 59.9898, 0.3075,
0.3290

133.8293, 0.3087,
0.3290

■ 43.4104, 0.3069,
0.3290

167.7576, 0.3090,
0.3290

■ 30.2073, 0.3062,
0.3290

206.9841, 0.3093,
0.3290

■ 19.9960, 0.3052,
0.3290

251.8932, 0.3095,
0.3290

■ 12.3921, 0.3039,
0.3290

302.8693, 0.3097,
0.3290

■ 7.0113, 0.3021,
0.3289

360.2968, 0.3099,

■ 3.4692, 0.2993,

0.3290

0.3289

424.5601, 0.3100,
0.3290

■ 1.3813, 0.2945,
0.3288

■ 0.2029, 0.2199,
0.3289

■ 80.3298, 0.3080,
0.3290

■ 80.3298, 0.3080,
0.3290

■ 76.8165, 0.2929,
0.3290

■ 84.3619, 0.3238,
0.3290

■ 73.7911, 0.2787,
0.3290


■ 85.4360, 0.3277,
0.3290


■ 71.2351, 0.2659,
0.3291

■ 85.4390, 0.3277,
0.3289


■ 69.1252, 0.2545,
0.3291


■ 85.4419, 0.3276,
0.3289


 67.4355, 0.2449,
0.3291

 85.4449, 0.3276,
0.3288

 66.1381, 0.2372,
0.3292


 85.4479, 0.3276,
0.3288


 65.2013, 0.2315,
0.3292

 85.4508, 0.3275,
0.3287

 64.5886, 0.2277,
0.3293

 85.4538, 0.3275,
0.3287

 64.2558, 0.2256,
0.3294

 85.4568, 0.3275,
0.3286

Harmonies

Analogous

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



80.3298, 0.3102, 0.3315



80.3298, 0.3080, 0.3290



80.3298, 0.3071, 0.3265

Triad

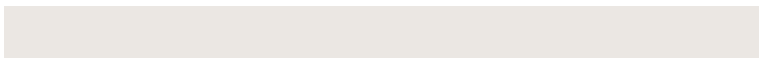
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.3298, 0.3080, 0.3290



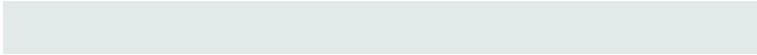
80.3298, 0.3124, 0.3247



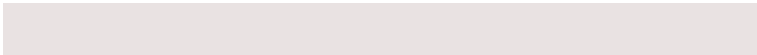
80.3298, 0.3178, 0.3334

Complementary

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



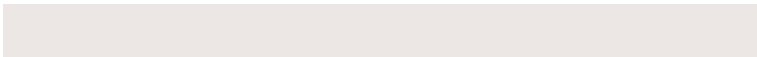
80.3298, 0.3080, 0.3290



77.1902, 0.3176, 0.3290

Split Complementary

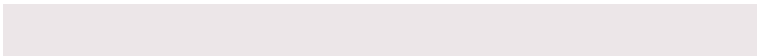
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.3298, 0.3184, 0.3315



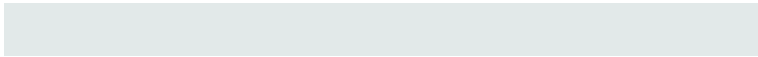
80.3298, 0.3080, 0.3290



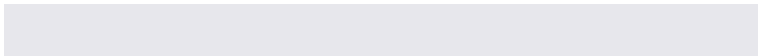
80.3298, 0.3153, 0.3265

Square

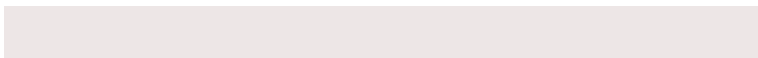
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



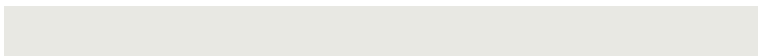
80.3298, 0.3080, 0.3290



80.3298, 0.3096, 0.3240



80.3298, 0.3175, 0.3290



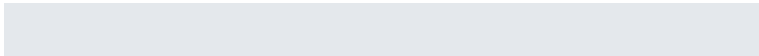
80.3298, 0.3158, 0.3340

Rectangle

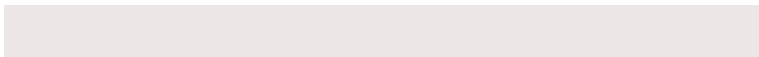
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



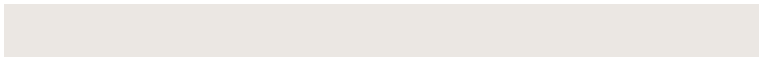
80.3298, 0.3080, 0.3290



80.3298, 0.3073, 0.3252



80.3298, 0.3175, 0.3290



80.3298, 0.3182, 0.3328

Sweetspot

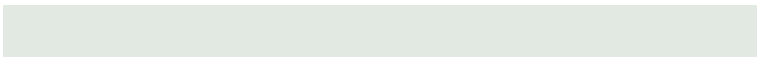
The Sweet Spot groups the original color and five complimentary colors.



80.3332, 0.3080, 0.3290



99.5192, 0.3111, 0.3290



79.9581, 0.3124, 0.3364



21.3063, 0.3112, 0.3290



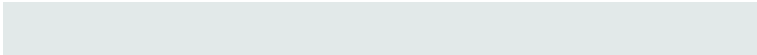
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

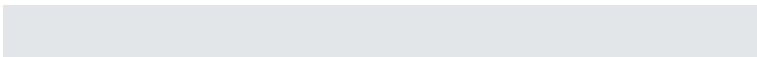
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.3332, 0.3080, 0.3290



98.1151, 0.3065, 0.3290



78.4231, 0.3081, 0.3254



17.4915, 0.3054, 0.3290



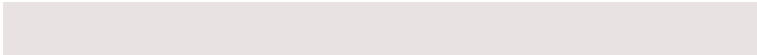
36.3898, 0.2248, 0.3294



2.8577, 0.2248, 0.3293

Inverse Universe

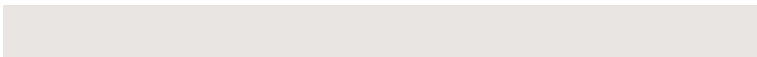
The Inverse Universe completely reimagines the original color for something new.



77.1902, 0.3176, 0.3290



93.0256, 0.3193, 0.3290



79.0608, 0.3174, 0.3326



16.4244, 0.3205, 0.3290



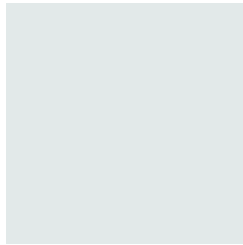
9.8307, 0.6398, 0.3298



0.7721, 0.6392, 0.3295

Previews

White Background



This preview shows how the Yxy color 80.3298, 0.3080, 0.3290 looks on a white background.

Color Contrast Check

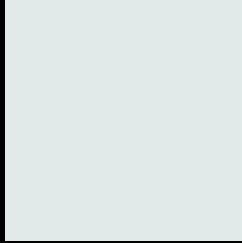
Large Text (above 18pt) WCAG AA × Fail

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 80.3298, 0.3080, 0.3290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

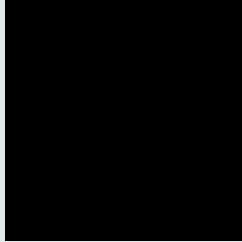
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

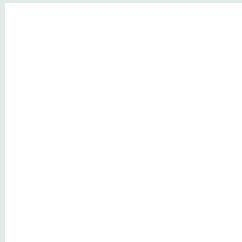
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.3298, 0.3080, 0.3290

Background



This preview shows how black text looks on a background with the Yxy color 80.3298, 0.3080, 0.3290.

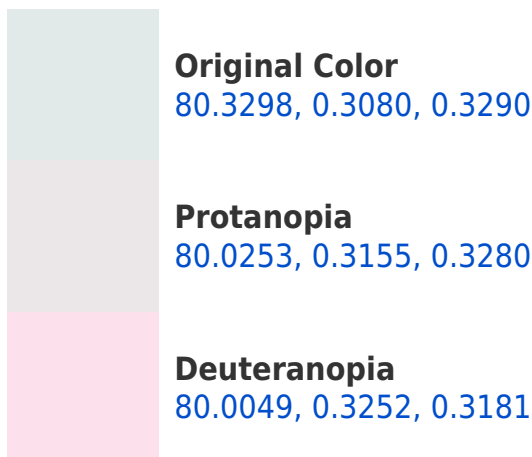


This preview shows how white text looks on a background with the Yxy color 80.3298, 0.3080, 0.3290.

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

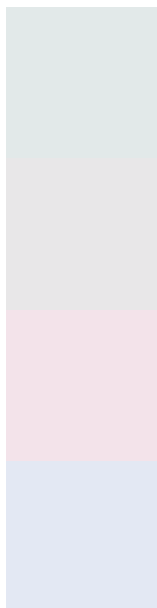




Tritanopia

80.4854, 0.2996, 0.3105

Trichromacy



Original Color

80.3298, 0.3080, 0.3290

Protanomaly

80.1338, 0.3128, 0.3280

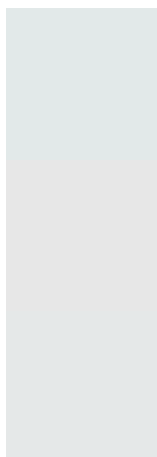
Deuteranomaly

79.9334, 0.3193, 0.3219

Tritanomaly

80.5152, 0.3026, 0.3176

Monochromacy



Original Color

80.3298, 0.3080, 0.3290

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.1974, 0.3107, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3298, 0.3080, 0.3290 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(226, 233, 233) looks like.

```
.text, #text, p{  
    color:rgb(226, 233, 233)  
}
```

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(226, 233, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 233, 233) }
```

Border

The CSS property to change the border of an element to Yxy 80.3298, 0.3080, 0.3290 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(226, 233, 233) }
```

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

```
.border{ border-color:rgb(226, 233, 233) }
```

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

Here you see how a box with a 4 pixel rgb(226, 233, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 233, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 233, 233);  
box-shadow:4px 4px 4px 4px rgb(226, 233,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3298, 0.3080, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 233, 233) }
```

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

```
.background{ background-color: rgb(226,  
233, 233) }
```

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