

Converting Colors

$Yxy(80.7044, 0.3126, 0.3314)$

Have a look what the booklet for
Yxy(80.7044, 0.3126, 0.3314)
contains.

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Color

Yxy(80.8140, 0.3126, 0.3321)

Conversions

Conversions Part 1

Format	Color
Hex	E6E9E6
RGB	230, 233, 230
RGB Percent	90%, 91%, 90%
CMY	0.0978, 0.0863, 0.0980
CMYK	0.01, 0.00, 0.01, 0.09
HSL	119°, 6%, 91%
HSV	119°, 1%, 91%
XYZ	76.0688, 80.8140, 86.4595
YIQ	231.7610, -0.8250, -1.5690

Conversions

Conversions Part 2

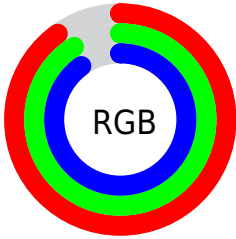
Format	Color
R_{YB}	230, 233, 233
Decimal	15133158
CIE Lab	92.05, -1.51, 1.09
CIE LCh	92, 1.858, 144.136
Yxy	80.8140, 0.3126, 0.3321
Android (android.graphics.Color)	4293323238 (0xFFE6E9E6)
YUV	231.7610, -0.8682, -1.5444
Hunter-Lab	89.8966, -6.2757, 5.9045

Details

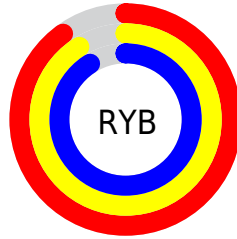
The Yxy color **80.8140, 0.3126, 0.3321** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.7970, 0.3128, 0.3259**, and the grayscale version is **80.5231, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.6534, 0.3126, 0.3317** is the 20% darker color. If you saturate the color by 10%, you get **76.0419, 0.3116, 0.3583**, and if you desaturate by 10%, it is **86.2683, 0.3134, 0.3093**.

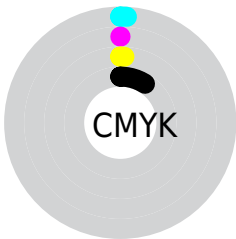
Distribution



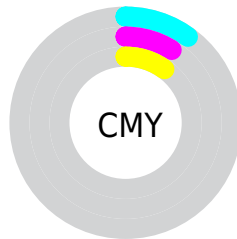
- Red (90%)
- Green (91%)
- Blue (90%)



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



- Cyan (1%)
- Magenta (0%)
- Yellow (1%)
- Black (9%)



- Cyan (10%)
- Magenta (9%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.8140, 0.3126, 0.3321 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 80.8140, 0.3126, 0.3321 by changing the saturation by 10% instead.

■ 80.8140, 0.3126,
0.3321

■ 80.8140, 0.3126,
0.3321

497.6718, 0.3127,
0.3307

■ 60.3884, 0.3126,
0.3324

134.5096, 0.3126,
0.3316

■ 43.7318, 0.3126,
0.3328

168.5484, 0.3126,
0.3314

■ 30.4597, 0.3125,
0.3333

207.8937, 0.3126,
0.3313

■ 20.1878, 0.3125,
0.3339

252.9299, 0.3126,
0.3311

■ 12.5316, 0.3125,
0.3348

304.0414, 0.3126,
0.3310

■ 7.1068, 0.3124,
0.3360

361.6127, 0.3127,

■ 3.5290, 0.3123,

0.3309

426.0280, 0.3127,
0.3308

0.3378

1.4137, 0.3122,
0.3410

0.2268, 0.3102,
0.3934

80.8140, 0.3126,
0.3321

80.8140, 0.3126,
0.3321

76.0419, 0.3116,
0.3583

86.2683, 0.3134,
0.3093

71.9152, 0.3104,
0.3881

86.7516, 0.3137,
0.3078

68.4095, 0.3091,
0.4210

65.4947, 0.3076,
0.4562

■ 63.1383, 0.3060,
0.4922

■ 61.3046, 0.3044,
0.5266

■ 59.9538, 0.3028,
0.5565

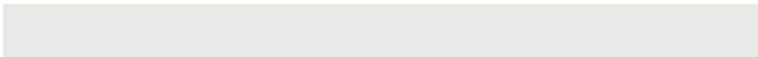
■ 59.0405, 0.3016,
0.5795

■ 58.5105, 0.3006,
0.5937

Harmonies

Analogous

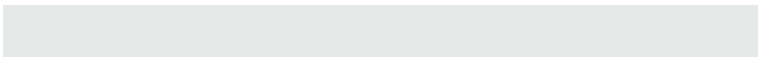
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.8140, 0.3147, 0.3328



80.8140, 0.3126, 0.3321



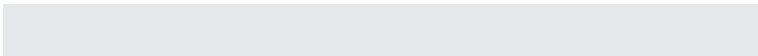
80.8140, 0.3105, 0.3306

Triad

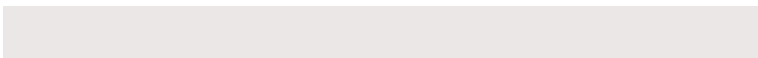
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.8140, 0.3126, 0.3321



80.8140, 0.3091, 0.3256



80.8140, 0.3165, 0.3293

Complementary

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



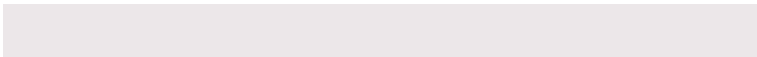
80.8140, 0.3126, 0.3321



79.7970, 0.3128, 0.3259

Split Complementary

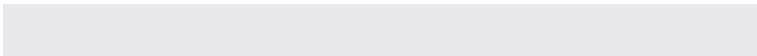
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.8140, 0.3149, 0.3274



80.8140, 0.3126, 0.3321



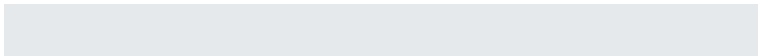
80.8140, 0.3107, 0.3253

Square

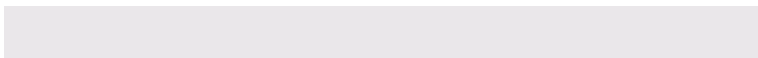
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



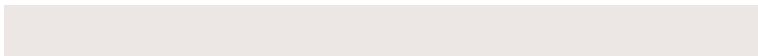
80.8140, 0.3126, 0.3321



80.8140, 0.3085, 0.3269



80.8140, 0.3128, 0.3260



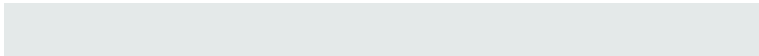
80.8140, 0.3170, 0.3311

Rectangle

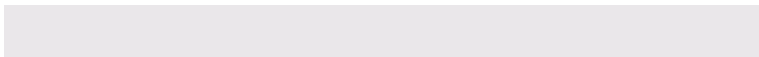
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.8140, 0.3126, 0.3321



80.8140, 0.3094, 0.3293



80.8140, 0.3128, 0.3260



80.8140, 0.3160, 0.3287

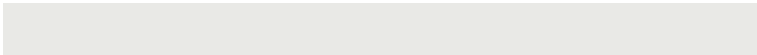
Sweetspot

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



80.8175, 0.3126, 0.3321

100.0000, 0.3127, 0.3290



81.2791, 0.3146, 0.3320



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.



80.8175, 0.3126, 0.3321



98.7352, 0.3125, 0.3339



80.8915, 0.3117, 0.3306



17.6734, 0.3125, 0.3336



33.0852, 0.3003, 0.5997



2.6017, 0.3012, 0.5990

Inverse Universe

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



79.7970, 0.3128, 0.3259



96.7749, 0.3129, 0.3241



79.7224, 0.3138, 0.3274



17.3427, 0.3129, 0.3244



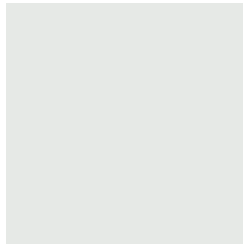
12.8508, 0.3173, 0.1522



1.0127, 0.3178, 0.1524

Previews

White Background



This preview shows how the Yxy color 80.8140, 0.3126, 0.3321 looks on a white background.

Color Contrast Check

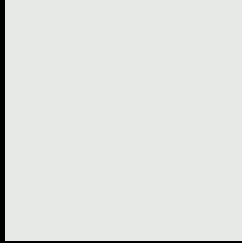
Large Text (above 18pt) WCAG AA × Fail

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 80.8140, 0.3126, 0.3321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

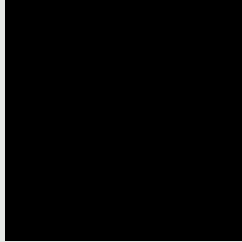
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

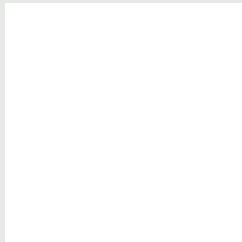
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.8140, 0.3126, 0.3321

Background



This preview shows how black text looks on a background with the Yxy color 80.8140, 0.3126, 0.3321.

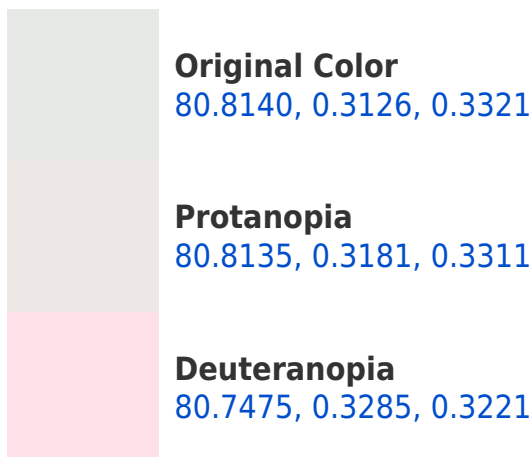


This preview shows how white text looks on a background with the Yxy color 80.8140, 0.3126, 0.3321.

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

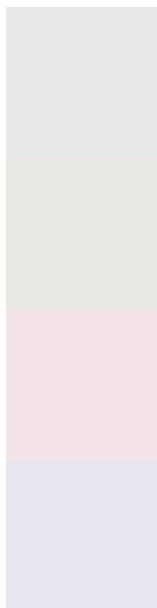




Tritanopia

80.6946, 0.3035, 0.3106

Trichromacy



Original Color

80.8140, 0.3126, 0.3321

Protanomaly

80.8628, 0.3160, 0.3321

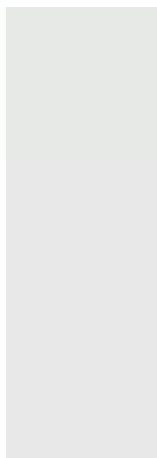
Deuteranomaly

80.6688, 0.3226, 0.3260

Tritanomaly

80.6585, 0.3071, 0.3187

Monochromacy



Original Color

80.8140, 0.3126, 0.3321

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.4717, 0.3127, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8140, 0.3126, 0.3321 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(230, 233, 230)` looks like.

```
.text, #text, p{  
    color:rgb(230, 233, 230)  
}
```

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(230, 233, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 233, 230) }
```

Border

The CSS property to change the border of an element to Yxy 80.8140, 0.3126, 0.3321 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(230, 233, 230) }
```

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

```
.border{ border-color:rgb(230, 233, 230) }
```

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

Here you see how a box with a 4 pixel rgb(230, 233, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 233, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 233, 230);  
box-shadow:4px 4px 4px 4px rgb(230, 233,  
230) }
```

Background

The CSS property to change the background color of an element to Yxy 80.8140, 0.3126, 0.3321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 233, 230) }
```

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

```
.background{ background-color: rgb(230,  
233, 230) }
```

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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