

Converting Colors

$Y_{xy}(80.2393, 0.3083, 0.3321)$

Have a look what the booklet for
Yxy(80.2393, 0.3083, 0.3321)
contains.

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Color

Yxy(80.4625, 0.3079, 0.3321)

Conversions

Conversions Part 1	
Format	Color
Hex	E0EAE7
RGB	224, 234, 231
RGB Percent	88%, 92%, 91%
CMY	0.1214, 0.0824, 0.0940
CMYK	0.04, 0.00, 0.01, 0.08
HSL	162°, 19%, 90%
HSV	162°, 4%, 92%
XYZ	74.5992, 80.4625, 87.2222
YIQ	230.6680, -4.9970, -3.0530

Conversions

Conversions Part 2

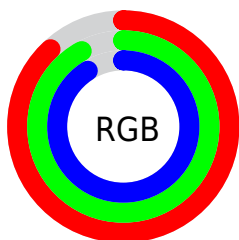
Format	Color
RYB	224, 230, 234
Decimal	14740199
CIELab	91.89, -3.84, 0.27
CIELCh	92, 3.848, 175.904
Yxy	80.4625, 0.3079, 0.3321
Android (android.graphics.Color)	4292930279 (0xFFE0EAE7)
YUV	230.6680, 0.1637, -5.8478
Hunter-Lab	89.7009, -8.5281, 5.1390

Details

The Yxy color 80.4625, 0.3079, 0.3321 is a light color, and the websafe version is hex FFFFFF. A complement of this color would be 76.3698, 0.3178, 0.3259, and the grayscale version is 79.6605, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 43.3710, 0.3074, 0.3331 is the 20% darker color. If you saturate the color by 10%, you get 76.5944, 0.2968, 0.3400, and if you desaturate by 10%, it is 84.8676, 0.3193, 0.3250.

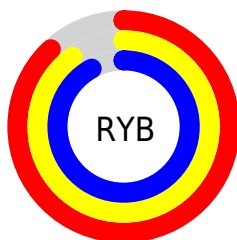
Distribution



Red (88%)

Green (92%)

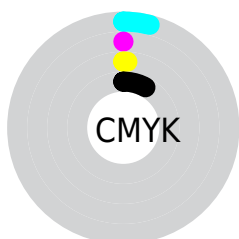
Blue (91%)



Red (88%)

Yellow (90%)

Blue (92%)

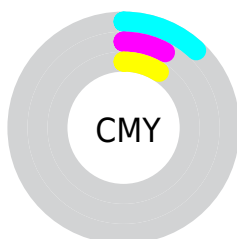


Cyan (4%)

Magenta (0%)

Yellow (1%)

Black (8%)



Cyan (12%)


Magenta (8%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.4625, 0.3079, 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 80.4625, 0.3079, 0.3321 by changing the saturation by 10% instead.


 80.4625, 0.3079,
0.3321

 80.4625, 0.3079,
0.3321

496.4901, 0.3101,
0.3307

 60.0990, 0.3074,
0.3324

134.0158, 0.3087,
0.3316

 43.4984, 0.3068,
0.3328


167.9744, 0.3090,
0.3314

 30.2764, 0.3060,
0.3333


207.2335, 0.3092,
0.3313

 20.0485, 0.3051,
0.3339

252.1774, 0.3094,
0.3311

 12.4303, 0.3037,
0.3348

303.1907, 0.3096,
0.3310

 7.0374, 0.3018,
0.3360


360.6576, 0.3098,


 3.4855, 0.2990,


0.3309


424.9626, 0.3100,
0.3308


0.3378


 1.3902, 0.2940,
0.3410


 0.2095, 0.2012,
0.4000


 80.4625, 0.3079,
0.3321


 80.4625, 0.3079,
0.3321


 76.5944, 0.2968,
0.3400

 84.8676, 0.3193,
0.3250


 73.2319, 0.2863,
0.3486

 86.6907, 0.3200,
0.3183

 70.3561, 0.2767,
0.3580

 87.1238, 0.3156,
0.3117

 67.9427, 0.2682,
0.3681

 87.3210, 0.3137,
0.3088

■ 65.9654, 0.2612,
0.3788

■ 64.3951, 0.2559,
0.3899

■ 63.1993, 0.2525,
0.4013

■ 62.3401, 0.2512,
0.4127

■ 61.7714, 0.2519,
0.4240

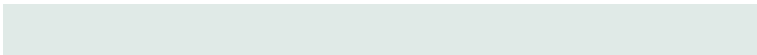
Harmonies

Analogous

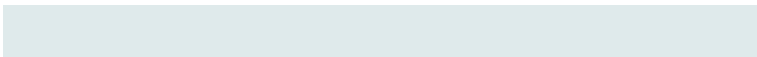
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.4625, 0.3122, 0.3353



80.4625, 0.3079, 0.3321



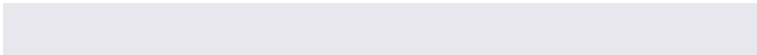
80.4625, 0.3049, 0.3281

Triad

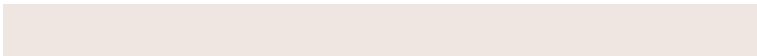
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.4625, 0.3079, 0.3321



80.4625, 0.3088, 0.3214



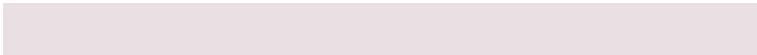
80.4625, 0.3215, 0.3336

Complementary

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



80.4625, 0.3079, 0.3321



76.3698, 0.3178, 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.



80.4625, 0.3206, 0.3299



80.4625, 0.3079, 0.3321



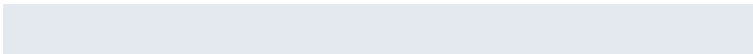
80.4625, 0.3132, 0.3229

Square

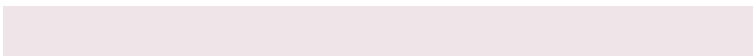
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.4625, 0.3079, 0.3321



80.4625, 0.3054, 0.3219



80.4625, 0.3175, 0.3260



80.4625, 0.3201, 0.3361

Rectangle

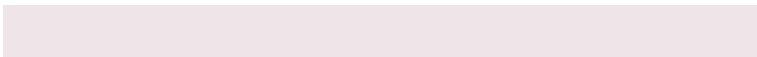
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.4625, 0.3079, 0.3321



80.4625, 0.3041, 0.3255



80.4625, 0.3175, 0.3260



80.4625, 0.3215, 0.3324

Sweetspot

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



80.4659, 0.3079, 0.3321



99.4708, 0.3116, 0.3297



80.5600, 0.3142, 0.3395



21.2964, 0.3116, 0.3297



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.



80.4659, 0.3079, 0.3321



97.4196, 0.3070, 0.3327



79.5077, 0.3061, 0.3269



17.3670, 0.3063, 0.3332



34.6053, 0.2524, 0.4286



2.7341, 0.2481, 0.4131

Inverse Universe

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



76.3698, 0.3178, 0.3259



91.5696, 0.3187, 0.3254



77.2841, 0.3196, 0.3311



16.1890, 0.3196, 0.3249



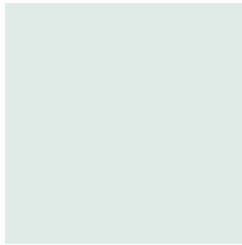
10.0948, 0.5768, 0.2951



0.8091, 0.5374, 0.2734

Previews

White Background



This preview shows how the Yxy color 80.4625, 0.3079, 0.3321 looks on a white background.

Color Contrast Check

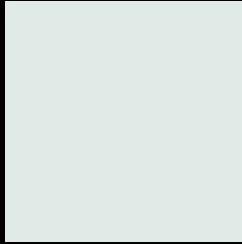
Large Text (above 18pt) WCAG AA × Fail

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 80.4625, 0.3079, 0.3321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

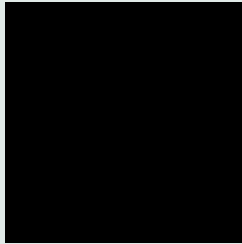
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

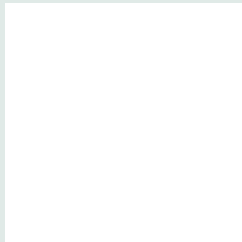
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.4625, 0.3079, 0.3321

Background



This preview shows how black text looks on a background with the Yxy color 80.4625, 0.3079, 0.3321.

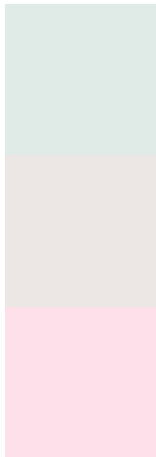


This preview shows how white text looks on a background with the Yxy color 80.4625, 0.3079, 0.3321.

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



Original Color

80.4625, 0.3079, 0.3321

Protanopia

80.0836, 0.3175, 0.3300

Deuteranopia

80.0771, 0.3272, 0.3201



Tritanopia

80.3223, 0.2990, 0.3105

Trichromacy

	Original Color 80.4625, 0.3079, 0.3321
	Protanomaly 80.0208, 0.3140, 0.3300
	Deuteranomaly 80.1902, 0.3198, 0.3249
	Tritanomaly 80.2928, 0.3025, 0.3186

Monochromacy

	Original Color 80.4625, 0.3079, 0.3321
	Achromatopsia 79.9103, 0.3127, 0.3290
	Achromatomaly 79.9767, 0.3106, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.4625, 0.3079, 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(224, 234, 231) looks like.

```
.text, #text, p{  
    color:rgb(224, 234, 231)  
}
```


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(224, 234, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 234, 231) }
```

Border

The CSS property to change the border of an element to Yxy 80.4625, 0.3079, 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(224, 234, 231) }
```


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

```
.border{ border-color:rgb(224, 234, 231) }
```

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

Here you see how a box with a 4 pixel rgb(224, 234, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 234, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 234, 231);  
box-shadow:4px 4px 4px 4px rgb(224, 234,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 80.4625, 0.3079, 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(224, 234, 231) }
```

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

```
.background{ background-color: rgb(224,  
234, 231) }
```

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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