

Converting Colors

Yxy(80.9329, 0.3019, 0.3233)

Have a look what the booklet for
Yxy(80.9329, 0.3019, 0.3233)
contains.

Yxy(80.8249, 0.3018, 0.3227)	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(80.8249, 0.3018, 0.3227)

Conversions

Conversions Part 1

Format	Color
Hex	DFEAF0
RGB	223, 234, 240
RGB Percent	87%, 92%, 94%
CMY	0.1253, 0.0824, 0.0588
CMYK	0.07, 0.02, 0.00, 0.06
HSL	201°, 36%, 91%
HSV	201°, 7%, 94%
XYZ	75.5902, 80.8249, 94.0494
YIQ	231.3950, -8.4820, -0.4660

Conversions

Conversions Part 2

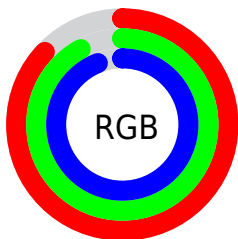
Format	Color
R _Y B	223, 230, 240
Decimal	14674672
CIE Lab	92.05, -2.50, -4.17
CIE LCh	92, 4.864, 239.044
Yxy	80.8249, 0.3018, 0.3227
Android (android.graphics.Color)	4292864752 (0xFFDFEAF0)
YUV	231.3950, 4.2423, -7.3624
Hunter-Lab	89.9027, -7.2468, 0.9071

Details

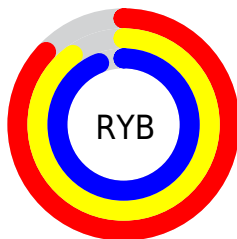
The Yxy color **80.8249, 0.3018, 0.3227** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.9141, 0.3242, 0.3352**, and the grayscale version is **80.1991, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.6263, 0.2995, 0.3209** is the 20% darker color. If you saturate the color by 10%, you get **72.5619, 0.2862, 0.3130**, and if you desaturate by 10%, it is **89.8668, 0.3172, 0.3315**.

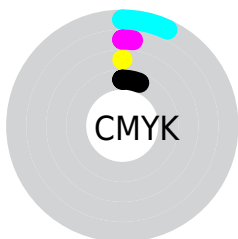
Distribution



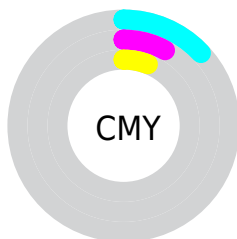
- Red (87%)
- Green (92%)
- Blue (94%)



- Red (87%)
- Yellow (90%)
- Blue (94%)



- Cyan (7%)
- Magenta (2%)
- Yellow (0%)
- Black (6%)



- Cyan (13%)
- Magenta (8%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.8249, 0.3018, 0.3227 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 80.8249, 0.3018, 0.3227 by changing the saturation by 10% instead.

■ 80.8249, 0.3018,
0.3227

■ 80.8249, 0.3018,
0.3227

497.7085, 0.3067,
0.3256

■ 60.3974, 0.3007,
0.3220

134.5249, 0.3035,
0.3237

■ 43.7390, 0.2993,
0.3212

168.5661, 0.3042,
0.3241

■ 30.4654, 0.2976,
0.3202

207.9141, 0.3047,
0.3244

■ 20.1921, 0.2954,
0.3189

252.9532, 0.3052,
0.3247

■ 12.5348, 0.2925,
0.3172

304.0678, 0.3057,
0.3250

■ 7.1090, 0.2884,
0.3146

361.6423, 0.3061,

■ 3.5303, 0.2821,

0.3252

0.3108

426.0610, 0.3064,
0.3254

■ 1.4145, 0.2715,
0.3041

■ 0.2274, 0.1682,
0.2467

■ 80.8249, 0.3018,
0.3227

■ 80.8249, 0.3018,
0.3227

■ 72.5619, 0.2862,
0.3130

■ 89.8668, 0.3172,
0.3315

■ 65.0418, 0.2706,
0.3022

■ 96.5319, 0.3218,
0.3396

■ 58.2405, 0.2554,
0.2906

■ 99.0710, 0.3214,
0.3434

■ 52.1285, 0.2409,
0.2782

■ 46.6738, 0.2276,
0.2651

■ 41.8413, 0.2158,
0.2515

■ 37.5915, 0.2059,
0.2377

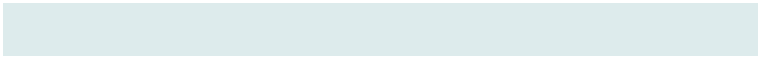
■ 33.8786, 0.1980,
0.2240

■ 30.6445, 0.1922,
0.2106

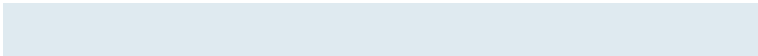
Harmonies

Analogous

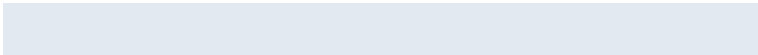
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.8249, 0.3026, 0.3273



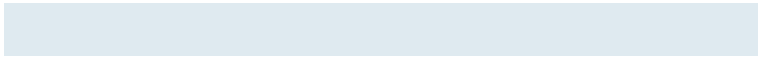
80.8249, 0.3018, 0.3227



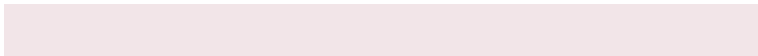
80.8249, 0.3039, 0.3199

Triad

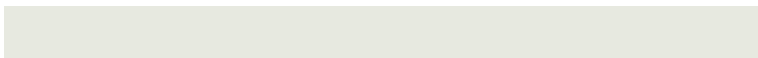
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.8249, 0.3018, 0.3227



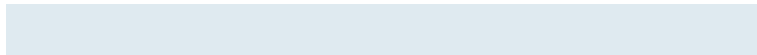
80.8249, 0.3193, 0.3256



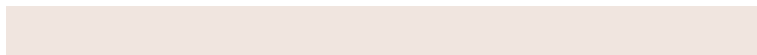
80.8249, 0.3171, 0.3387

Complementary

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



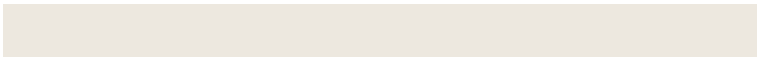
80.8249, 0.3018, 0.3227



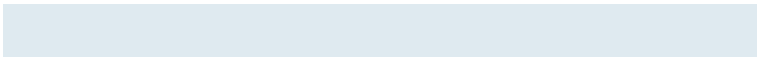
79.9141, 0.3242, 0.3352

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.



80.8249, 0.3216, 0.3382



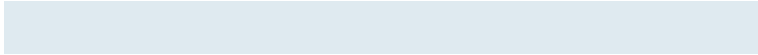
80.8249, 0.3018, 0.3227



80.8249, 0.3229, 0.3306

Square

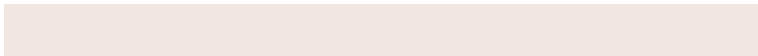
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.8249, 0.3018, 0.3227



80.8249, 0.3140, 0.3216



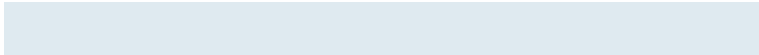
80.8249, 0.3238, 0.3352



80.8249, 0.3114, 0.3366

Rectangle

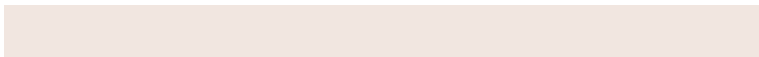
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.8249, 0.3018, 0.3227



80.8249, 0.3066, 0.3193



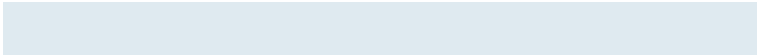
80.8249, 0.3238, 0.3352



80.8249, 0.3188, 0.3389

Sweetspot

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



80.8283, 0.3018, 0.3227



97.8996, 0.3096, 0.3273



83.6670, 0.3083, 0.3406



20.9766, 0.3098, 0.3273



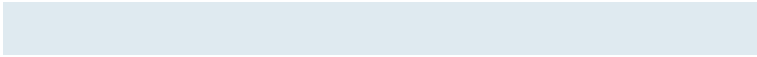
0.0000, 0.0000, 0.0000



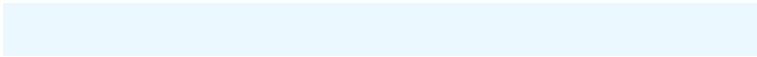
21.4041, 0.3127, 0.3290

Same Dimension

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



80.8283, 0.3018, 0.3227



91.8150, 0.3003, 0.3218



76.1512, 0.3019, 0.3138



16.9330, 0.2980, 0.3204



16.5518, 0.1914, 0.2089



1.5635, 0.1963, 0.2265

Inverse Universe

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



77.2610, 0.3175, 0.3178



87.2117, 0.3181, 0.3162



84.6843, 0.3234, 0.3438



15.9309, 0.3192, 0.3139



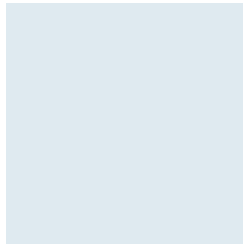
11.4643, 0.4353, 0.2172



0.9725, 0.4163, 0.2067

Previews

White Background



This preview shows how the Yxy color 80.8249, 0.3018, 0.3227 looks on a white background.

Color Contrast Check

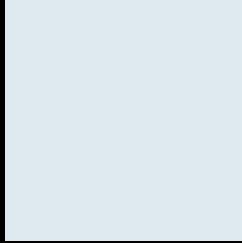
Large Text (above 18pt) WCAG AA × Fail

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 80.8249, 0.3018, 0.3227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

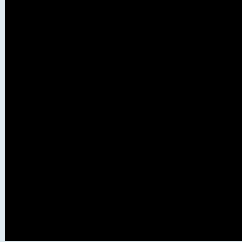
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

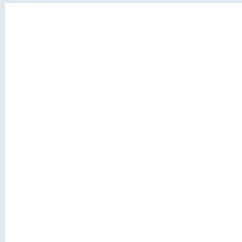
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.8249, 0.3018, 0.3227

Background



This preview shows how black text looks on a background with the Yxy color 80.8249, 0.3018, 0.3227.

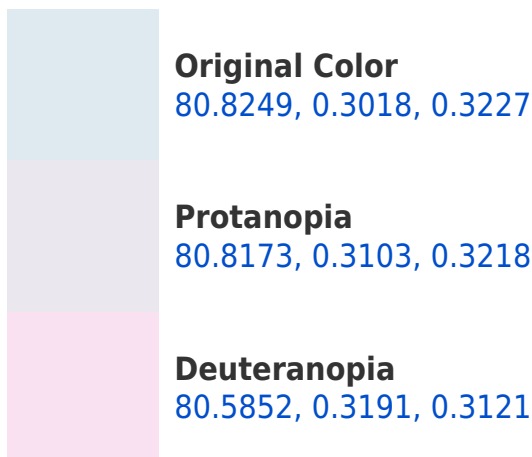


This preview shows how white text looks on a background with the Yxy color 80.8249, 0.3018, 0.3227.

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

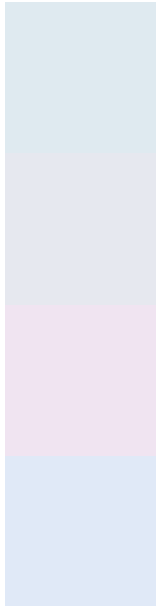




Tritanopia

80.6858, 0.2965, 0.3094

Trichromacy



Original Color

80.8249, 0.3018, 0.3227

Protanomaly

80.7682, 0.3070, 0.3218

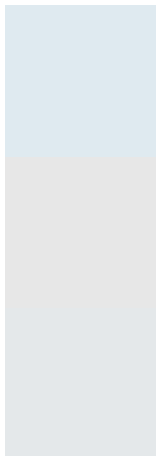
Deuteranomaly

80.3629, 0.3126, 0.3158

Tritanomaly

80.8405, 0.2982, 0.3145

Monochromacy



Original Color

80.8249, 0.3018, 0.3227

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.1477, 0.3088, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8249, 0.3018, 0.3227 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(223, 234, 240)` looks like.

```
.text, #text, p{  
    color:rgb(223, 234, 240)  
}
```

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(223, 234, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 234, 240) }
```

Border

The CSS property to change the border of an element to Yxy 80.8249, 0.3018, 0.3227 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(223, 234, 240) }
```

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

```
.border{ border-color:rgb(223, 234, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 234, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 234, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 234, 240);  
box-shadow:4px 4px 4px 4px rgb(223, 234,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8249, 0.3018, 0.3227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 234, 240) }
```

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

```
.background{ background-color: rgb(223,  
234, 240) }
```

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