

Converting Colors

Yxy(81.0764, 0.3018, 0.3187)

Have a look what the booklet for
Yxy(81.0764, 0.3018, 0.3187)
contains.

Yxy(80.9176, 0.3019, 0.3186)	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(80.9176, 0.3019, 0.3186)

Conversions

Conversions Part 1

Format	Color
Hex	E2E9F3
RGB	226, 233, 243
RGB Percent	89%, 91%, 95%
CMY	0.1138, 0.0862, 0.0470
CMYK	0.07, 0.04, 0.00, 0.05
HSL	215°, 42%, 92%
HSV	215°, 7%, 95%
XYZ	76.6762, 80.9176, 96.3849
YIQ	232.0470, -7.3820, 1.6260

Conversions

Conversions Part 2

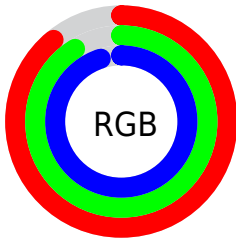
Format	Color
R _Y B	226, 231, 243
Decimal	14871027
CIE Lab	92.10, -0.47, -5.66
CIE LCh	92, 5.684, 265.234
Yxy	80.9176, 0.3019, 0.3186
Android (android.graphics.Color)	4293061107 (0xFFE2E9F3)
YUV	232.0470, 5.3998, -5.3032
Hunter-Lab	89.9542, -5.2681, -0.5606

Details

The Yxy color **80.9176, 0.3019, 0.3186** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.5277, 0.3238, 0.3392**, and the grayscale version is **80.6960, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.6901, 0.2997, 0.3156** is the 20% darker color. If you saturate the color by 10%, you get **69.5122, 0.2857, 0.3022**, and if you desaturate by 10%, it is **93.5398, 0.3172, 0.3332**.

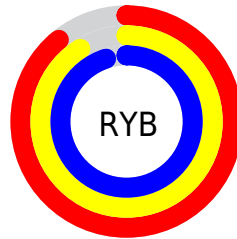
Distribution



Red (89%)

Green (91%)

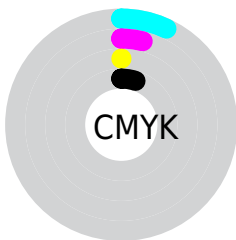
Blue (95%)



Red (89%)

Yellow (91%)

Blue (95%)

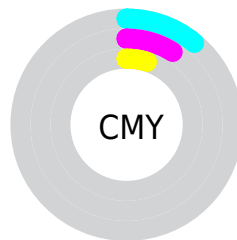


Cyan (7%)

Magenta (4%)

Yellow (0%)

Black (5%)



Cyan (11%)

Magenta (9%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.9176, 0.3019, 0.3186 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 80.9176, 0.3019, 0.3186 by changing the saturation by 10% instead.

■ 80.9176, 0.3019,
0.3186

■ 80.9176, 0.3019,
0.3186

498.0198, 0.3068,
0.3233

■ 60.4737, 0.3008,
0.3175

134.6551, 0.3036,
0.3202

■ 43.8006, 0.2995,
0.3162

168.7175, 0.3042,
0.3209

■ 30.5138, 0.2978,
0.3146

208.0881, 0.3048,
0.3214

■ 20.2289, 0.2956,
0.3125

253.1515, 0.3053,
0.3219

■ 12.5615, 0.2927,
0.3097

304.2920, 0.3058,
0.3223

■ 7.1273, 0.2885,
0.3057

361.8939, 0.3061,

■ 3.5419, 0.2823,

0.3227

0.2996

426.3418, 0.3065,
0.3230

■ 1.4207, 0.2718,
0.2893

■ 0.2319, 0.1918,
0.2129

■ 80.9176, 0.3019,
0.3186

■ 80.9176, 0.3019,
0.3186

■ 69.5122, 0.2857,
0.3022

■ 93.5398, 0.3172,
0.3332

■ 59.2748, 0.2689,
0.2841

■ 99.2522, 0.3197,
0.3405

■ 50.1678, 0.2516,
0.2641

■ 42.1478, 0.2344,
0.2427

■ 35.1680, 0.2179,
0.2202

■ 29.1777, 0.2026,
0.1971

■ 24.1209, 0.1894,
0.1743

■ 19.9341, 0.1786,
0.1525

■ 16.5405, 0.1707,
0.1326

Harmonies

Analogous

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



80.9176, 0.2999, 0.3222



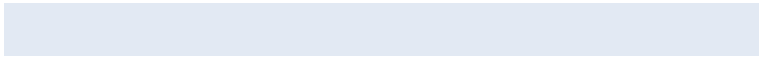
80.9176, 0.3019, 0.3186



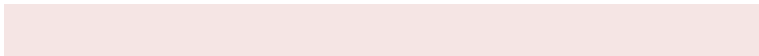
80.9176, 0.3068, 0.3178

Triad

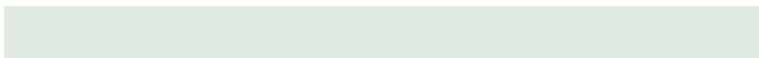
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.9176, 0.3019, 0.3186



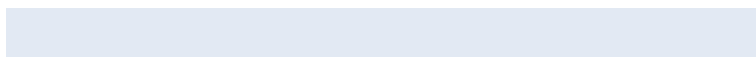
80.9176, 0.3243, 0.3301



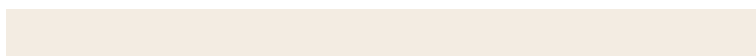
80.9176, 0.3121, 0.3384

Complementary

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



80.9176, 0.3019, 0.3186



84.5277, 0.3238, 0.3392

Split Complementary

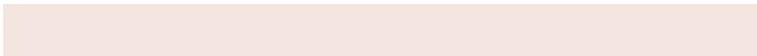
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.9176, 0.3186, 0.3405



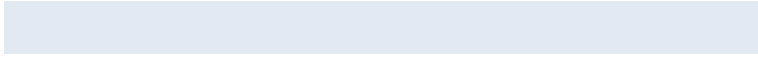
80.9176, 0.3019, 0.3186



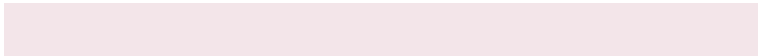
80.9176, 0.3257, 0.3356

Square

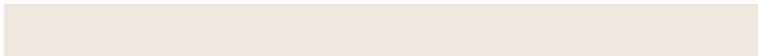
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



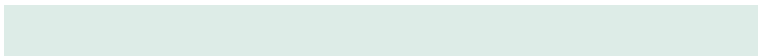
80.9176, 0.3019, 0.3186



80.9176, 0.3197, 0.3244



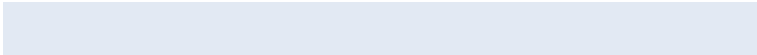
80.9176, 0.3236, 0.3395



80.9176, 0.3057, 0.3337

Rectangle

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



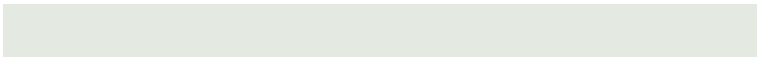
80.9176, 0.3019, 0.3186



80.9176, 0.3110, 0.3189



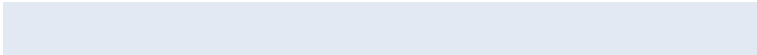
80.9176, 0.3236, 0.3395



80.9176, 0.3143, 0.3394

Sweetspot

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



80.9210, 0.3019, 0.3186



97.1499, 0.3097, 0.3261



86.3282, 0.3060, 0.3363



20.8240, 0.3098, 0.3263



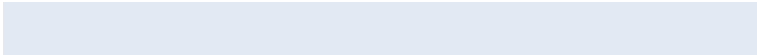
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



80.9210, 0.3019, 0.3186



88.9290, 0.3003, 0.3170



77.2459, 0.3029, 0.3113



17.0506, 0.2980, 0.3147



8.8394, 0.1695, 0.1300



0.9743, 0.1763, 0.1545

Inverse Universe

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



79.3204, 0.3200, 0.3219



86.9203, 0.3212, 0.3208



88.4081, 0.3222, 0.3463



16.5960, 0.3229, 0.3193



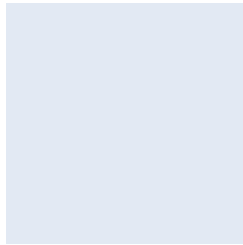
10.9917, 0.5327, 0.2708



0.9860, 0.5001, 0.2528

Previews

White Background



This preview shows how the Yxy color 80.9176, 0.3019, 0.3186 looks on a white background.

Color Contrast Check

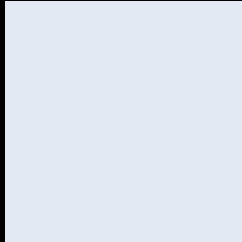
Large Text (above 18pt) WCAG AA × Fail

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 80.9176, 0.3019, 0.3186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

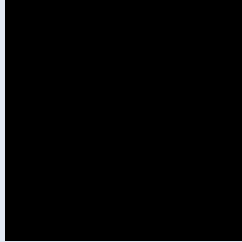
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

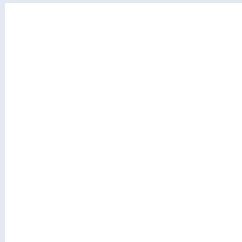
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.9176, 0.3019, 0.3186

Background



This preview shows how black text looks on a background with the Yxy color 80.9176, 0.3019, 0.3186.

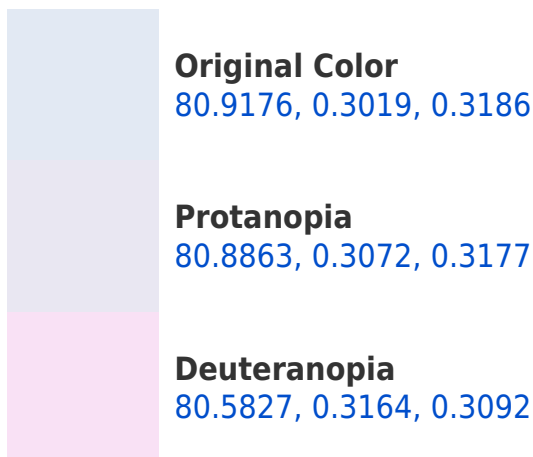


This preview shows how white text looks on a background with the Yxy color 80.9176, 0.3019, 0.3186.

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

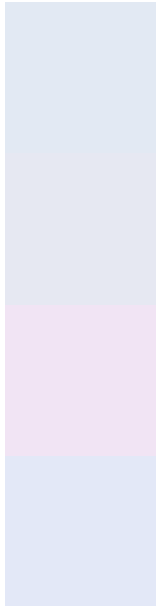




Tritanopia

80.9462, 0.2984, 0.3105

Trichromacy



Original Color

80.9176, 0.3019, 0.3186

Protanomaly

80.9470, 0.3052, 0.3187

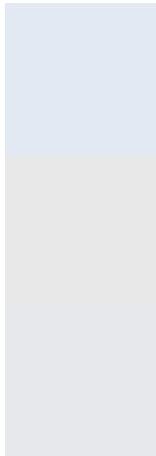
Deuteranomaly

80.7192, 0.3114, 0.3129

Tritanomaly

80.7595, 0.3002, 0.3135

Monochromacy



Original Color

80.9176, 0.3019, 0.3186

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.5923, 0.3089, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.9176, 0.3019, 0.3186 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, 243)` looks like.

```
.text, #text, p{  
    color:rgb(226, 233, 243)  
}
```

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, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 233, 243) }
```

Border

The CSS property to change the border of an element to Yxy 80.9176, 0.3019, 0.3186 is called "border". The border property can be set on classes, ids or directly on the HTML element.

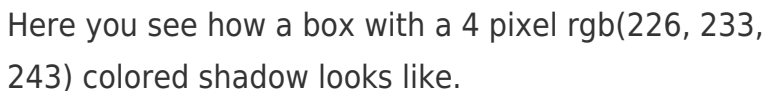
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(226, 233, 243) }
```

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

```
.border{ border-color:rgb(226, 233, 243) }
```

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, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 233, 243); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 233, 243); box-shadow:4px 4px 4px 4px rgb(226, 233, 243) }
```


Background

The CSS property to change the background color of an element to Yxy 80.9176, 0.3019, 0.3186 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, 243) }
```

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

```
.background{ background-color: rgb(226,  
233, 243) }
```

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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