

Converting Colors

$Y_{xy}(81.8531, 0.3110, 0.3379)$

Have a look what the booklet for
Yxy(81.8531, 0.3110, 0.3379)
contains.

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Color

Yxy(81.7611, 0.3110, 0.3374)

Conversions

Conversions Part 1

Format	Color
Hex	E2ECE4
RGB	226, 236, 228
RGB Percent	89%, 93%, 89%
CMY	0.1137, 0.0745, 0.1059
CMYK	0.04, 0.00, 0.03, 0.07
HSL	132°, 21%, 91%
HSV	132°, 4%, 93%
XYZ	75.3637, 81.7611, 85.2021
YIQ	232.0980, -3.3920, -4.6080

Conversions

Conversions Part 2

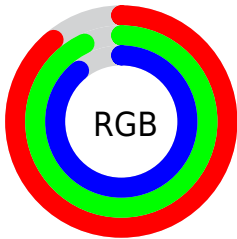
Format	Color
R _Y B	226, 234, 236
Decimal	14871780
CIE Lab	92.47, -4.76, 2.72
CIE LCh	92, 5.477, 150.279
Yxy	81.7611, 0.3110, 0.3374
Android (android.graphics.Color)	4293061860 (0xFFE2ECE4)
YUV	232.0980, -2.0203, -5.3479
Hunter-Lab	90.4218, -9.4643, 7.4279

Details

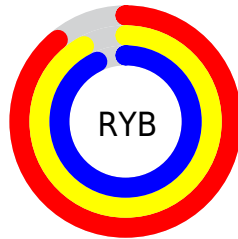
The Yxy color **81.7611, 0.3110, 0.3374** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **78.1723, 0.3145, 0.3207**, and the grayscale version is **80.7931, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.3176, 0.3106, 0.3385** is the 20% darker color. If you saturate the color by 10%, you get **77.2144, 0.3069, 0.3591**, and if you desaturate by 10%, it is **86.9549, 0.3150, 0.3183**.

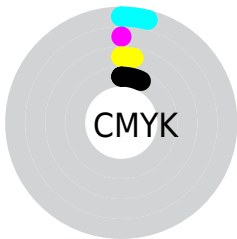
Distribution



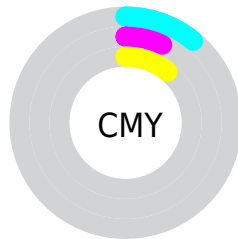
- Red (89%)
- Green (93%)
- Blue (89%)



- Red (89%)
- Yellow (92%)
- Blue (93%)



- Cyan (4%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)





- Cyan (11%)
- Magenta (7%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.7611, 0.3110, 0.3374 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 81.7611, 0.3110, 0.3374 by changing the saturation by 10% instead.


 81.7611, 0.3110,
0.3374

 81.7611, 0.3110,
0.3374

500.8482, 0.3118,
0.3336

 61.1686, 0.3108,
0.3383


135.8389, 0.3113,
0.3361

 44.3613, 0.3106,
0.3393


170.0931, 0.3114,
0.3356

 30.9546, 0.3103,
0.3407


209.6699, 0.3115,
0.3351

 20.5643, 0.3099,
0.3424

254.9539, 0.3116,
0.3347

 12.8059, 0.3094,
0.3447

306.3292, 0.3116,
0.3344

 7.2950, 0.3087,
0.3481

364.1805, 0.3117,

 3.6473, 0.3076,

0.3341

0.3532

428.8920, 0.3117,
0.3338

■ 1.4783, 0.3056,
0.3620

■ 0.2734, 0.2738,
0.5208

■ 81.7611, 0.3110,
0.3374

■ 81.7611, 0.3110,
0.3374

■ 77.2144, 0.3069,
0.3591

■ 86.9549, 0.3150,
0.3183

■ 73.2792, 0.3028,
0.3836

■ 88.4735, 0.3136,
0.3107

■ 69.9325, 0.2990,
0.4106

■ 67.1455, 0.2956,
0.4396

■ 64.8873, 0.2929,
0.4700

■ 63.1237, 0.2913,
0.5002

■ 61.8166, 0.2908,
0.5287

■ 60.9220, 0.2916,
0.5536

■ 60.3869, 0.2937,
0.5734

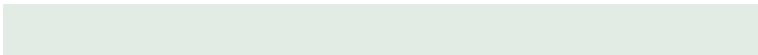
Harmonies

Analogous

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



81.7611, 0.3174, 0.3399



81.7611, 0.3110, 0.3374



81.7611, 0.3051, 0.3326

Triad

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



81.7611, 0.3110, 0.3374



81.7611, 0.3029, 0.3187



81.7611, 0.3243, 0.3310

Complementary

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



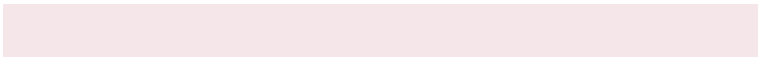
81.7611, 0.3110, 0.3374



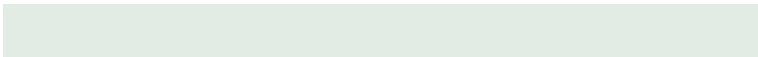
78.1723, 0.3145, 0.3207

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.



81.7611, 0.3203, 0.3255



81.7611, 0.3110, 0.3374



81.7611, 0.3080, 0.3184

Square

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



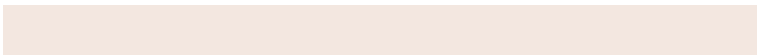
81.7611, 0.3110, 0.3374



81.7611, 0.3005, 0.3217



81.7611, 0.3144, 0.3208



81.7611, 0.3251, 0.3361

Rectangle

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



81.7611, 0.3110, 0.3374



81.7611, 0.3023, 0.3288



81.7611, 0.3144, 0.3208



81.7611, 0.3233, 0.3291

Sweetspot

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



81.7646, 0.3110, 0.3374



99.3886, 0.3123, 0.3310



83.0064, 0.3177, 0.3394



21.2797, 0.3123, 0.3309



0.0000, 0.0000, 0.0000



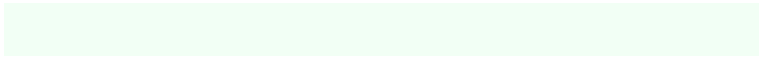
21.4041, 0.3127, 0.3290

Same Dimension

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



81.7646, 0.3110, 0.3374



97.0208, 0.3107, 0.3390



82.0375, 0.3080, 0.3323



17.2867, 0.3104, 0.3404



33.1952, 0.2944, 0.5800



2.6200, 0.2876, 0.5555

Inverse Universe

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



78.1723, 0.3145, 0.3207



91.9712, 0.3148, 0.3192



77.8976, 0.3176, 0.3257



16.2699, 0.3151, 0.3179



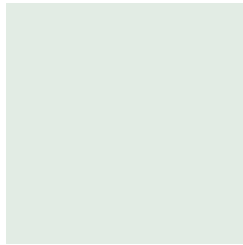
11.8770, 0.3785, 0.1859



0.9457, 0.3690, 0.1806

Previews

White Background



This preview shows how the Yxy color 81.7611, 0.3110, 0.3374 looks on a white background.

Color Contrast Check

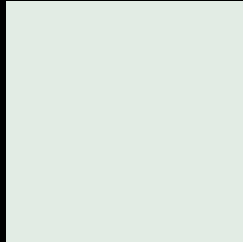
Large Text (above 18pt) WCAG AA × Fail

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 81.7611, 0.3110, 0.3374 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

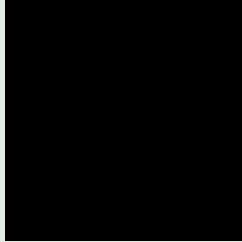
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

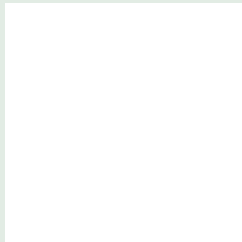
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.7611, 0.3110, 0.3374

Background



This preview shows how black text looks on a background with the Yxy color 81.7611, 0.3110, 0.3374.

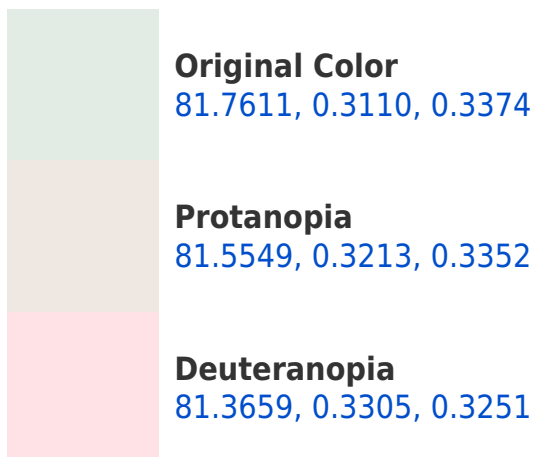


This preview shows how white text looks on a background with the Yxy color 81.7611, 0.3110, 0.3374.

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

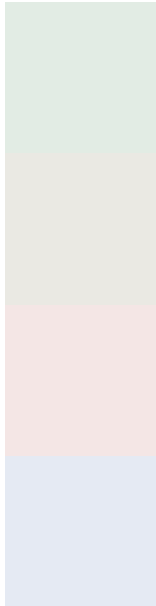




Tritanopia

82.0659, 0.2997, 0.3106

Trichromacy



Original Color

81.7611, 0.3110, 0.3374

Protanomaly

81.3163, 0.3172, 0.3352

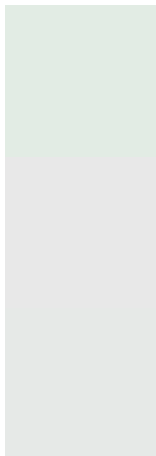
Deuteranomaly

81.4839, 0.3230, 0.3300

Tritanomaly

81.9747, 0.3039, 0.3197

Monochromacy



Original Color

81.7611, 0.3110, 0.3374

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.8703, 0.3119, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.7611, 0.3110, 0.3374 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, 236, 228)` looks like.

```
.text, #text, p{  
    color:rgb(226, 236, 228)  
}
```

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, 236, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 236, 228) }
```

Border

The CSS property to change the border of an element to Yxy 81.7611, 0.3110, 0.3374 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, 236, 228) }
```

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

```
.border{ border-color:rgb(226, 236, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 236, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 236, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 236, 228);  
box-shadow:4px 4px 4px 4px rgb(226, 236,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 81.7611, 0.3110, 0.3374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 236, 228) }
```

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

```
.background{ background-color: rgb(226,  
236, 228) }
```

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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