

Converting Colors

$Yxy(81.6800, 0.3169, 0.3398)$

Have a look what the booklet for
Yxy(81.6800, 0.3169, 0.3398)
contains.

Yxy(81.7874, 0.3169, 0.3405)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(81.7874, 0.3169, 0.3405)

Conversions

Conversions Part 1

Format	Color
Hex	E7EBE0
RGB	231, 235, 224
RGB Percent	91%, 92%, 88%
CMY	0.0941, 0.0784, 0.1216
CMYK	0.02, 0.00, 0.05, 0.08
HSL	82°, 22%, 90%
HSV	82°, 5%, 92%
XYZ	76.1187, 81.7874, 82.2918
YIQ	232.5500, 1.1470, -4.2690

Conversions

Conversions Part 2

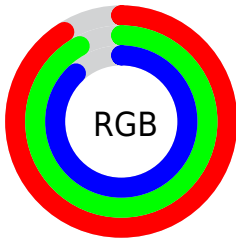
Format	Color
RYB	224, 235, 228
Decimal	15199200
CIELab	92.48, -3.27, 4.86
CIELCh	92, 5.854, 123.914
Yxy	81.7874, 0.3169, 0.3405
Android (android.graphics.Color)	4293389280 (0xFFE7EBE0)
YUV	232.5500, -4.2152, -1.3594
Hunter-Lab	90.4364, -8.0233, 9.3550

Details

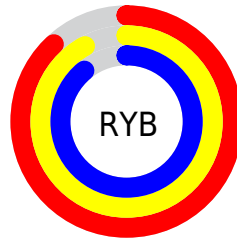
The Yxy color **81.7874, 0.3169, 0.3405** is a light color, and the websafe version is hex FFFFFF. A complement of this color would be **75.8006, 0.3084, 0.3174**, and the grayscale version is **81.1639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.2187, 0.3173, 0.3425** is the 20% darker color. If you saturate the color by 10%, you get **79.2171, 0.3259, 0.3664**, and if you desaturate by 10%, it is **84.6102, 0.3080, 0.3165**.

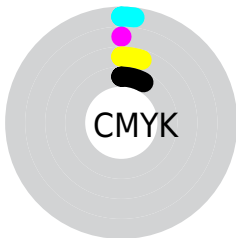
Distribution



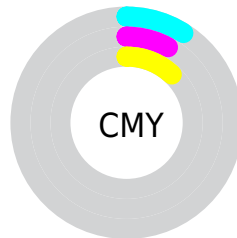
- Red (91%)
- Green (92%)
- Blue (88%)



- Red (88%)
- Yellow (92%)
- Blue (89%)



- Cyan (2%)
- Magenta (0%)
- Yellow (5%)
- Black (8%)



- Cyan (9%)
- Magenta (8%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.7874, 0.3169, 0.3405 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 81.7874, 0.3169, 0.3405 by changing the saturation by 10% instead.

81.7874, 0.3169,
0.3405

81.7874, 0.3169,
0.3405

500.9363, 0.3150,
0.3353

61.1903, 0.3173,
0.3417

135.8758, 0.3163,
0.3387

44.3788, 0.3178,
0.3431

170.1359, 0.3160,
0.3380

30.9684, 0.3185,
0.3450

209.7192, 0.3158,
0.3374

20.5748, 0.3193,
0.3473

255.0100, 0.3156,
0.3369

12.8135, 0.3204,
0.3505

306.3927, 0.3154,
0.3364

7.3003, 0.3219,
0.3551

364.2517, 0.3153,

3.6506, 0.3242,

0.3360

0.3620

428.9714, 0.3151,
0.3356

■ 1.4801, 0.3279,
0.3741

■ 0.2747, 0.3976,
0.6024

■ 81.7874, 0.3169,
0.3405

■ 81.7874, 0.3169,
0.3405

■ 79.2171, 0.3259,
0.3664

■ 84.6102, 0.3080,
0.3165

■ 76.8807, 0.3348,
0.3938

■ 86.6090, 0.3091,
0.3095

■ 74.7728, 0.3432,
0.4221

■ 87.8992, 0.3136,
0.3097

■ 72.8843, 0.3506,
0.4504

■ 71.2051, 0.3566,
0.4776

■ 69.7241, 0.3606,
0.5024

■ 68.4292, 0.3624,
0.5235

■ 67.3061, 0.3616,
0.5399

■ 66.3377, 0.3584,
0.5511

Harmonies

Analogous

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



81.7874, 0.3227, 0.3404



81.7874, 0.3169, 0.3405



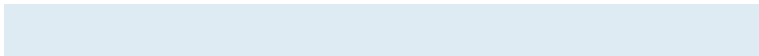
81.7874, 0.3101, 0.3375

Triad

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



81.7874, 0.3169, 0.3405



81.7874, 0.2998, 0.3207



81.7874, 0.3215, 0.3259

Complementary

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



81.7874, 0.3169, 0.3405



75.8006, 0.3084, 0.3174

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.



81.7874, 0.3153, 0.3208



81.7874, 0.3169, 0.3405



81.7874, 0.3028, 0.3178

Square

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



81.7874, 0.3169, 0.3405



81.7874, 0.3002, 0.3259



81.7874, 0.3085, 0.3178



81.7874, 0.3254, 0.3319

Rectangle

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



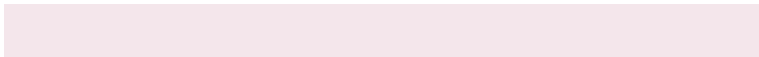
81.7874, 0.3169, 0.3405



81.7874, 0.3058, 0.3341



81.7874, 0.3085, 0.3178



81.7874, 0.3196, 0.3240

Sweetspot

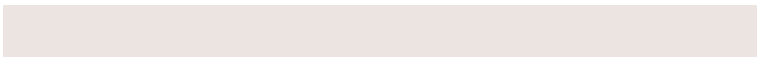
The Sweet Spot groups the original color and five complimentary colors.



81.7909, 0.3169, 0.3405



99.6617, 0.3136, 0.3314



78.4483, 0.3202, 0.3330



21.3353, 0.3136, 0.3313



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.



81.7909, 0.3169, 0.3405



98.0150, 0.3181, 0.3439



80.9126, 0.3133, 0.3406



17.4975, 0.3186, 0.3454



36.7341, 0.3571, 0.5547



2.9385, 0.3657, 0.5478

Inverse Universe

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



75.8006, 0.3084, 0.3174



88.8221, 0.3071, 0.3140



76.6909, 0.3121, 0.3176



15.6971, 0.3065, 0.3125



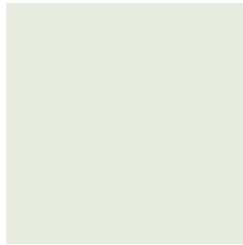
4.4874, 0.1789, 0.0759



0.4051, 0.1942, 0.0844

Previews

White Background



This preview shows how the Yxy color 81.7874, 0.3169, 0.3405 looks on a white background.

Color Contrast Check

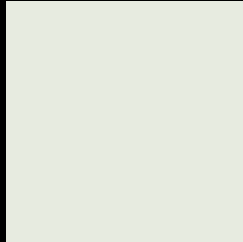
Large Text (above 18pt) WCAG AA × Fail

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 81.7874, 0.3169, 0.3405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

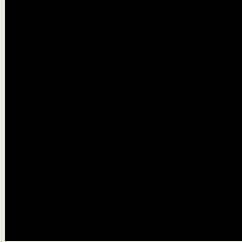
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

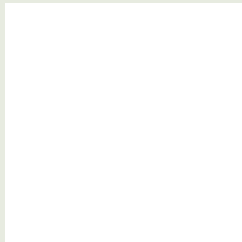
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.7874, 0.3169, 0.3405

Background



This preview shows how black text looks on a background with the Yxy color 81.7874, 0.3169, 0.3405.

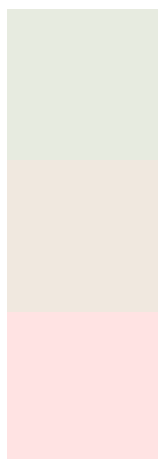


This preview shows how white text looks on a background with the Yxy color 81.7874, 0.3169, 0.3405.

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

81.7874, 0.3169, 0.3405

Protanopia

81.5662, 0.3240, 0.3383

Deuteranopia

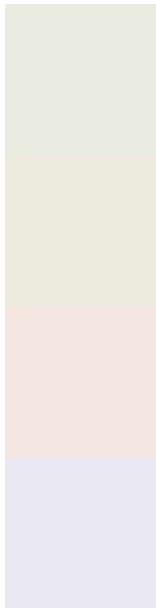
81.7442, 0.3324, 0.3291



Tritanopia

81.6535, 0.3042, 0.3108

Trichromacy



Original Color

81.7874, 0.3169, 0.3405

Protanomaly

81.6101, 0.3218, 0.3394

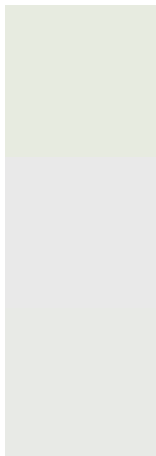
Deuteranomaly

81.6774, 0.3264, 0.3331

Tritanomaly

81.4969, 0.3091, 0.3208

Monochromacy



Original Color

81.7874, 0.3169, 0.3405

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.7146, 0.3139, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.7874, 0.3169, 0.3405 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(231, 235, 224)` looks like.

```
.text, #text, p{  
    color:rgb(231, 235, 224)  
}
```

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(231, 235, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 235, 224) }
```

Border

The CSS property to change the border of an element to Yxy 81.7874, 0.3169, 0.3405 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(231, 235, 224) }
```

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

```
.border{ border-color:rgb(231, 235, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 235, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 235, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 235, 224);  
box-shadow:4px 4px 4px 4px rgb(231, 235,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 81.7874, 0.3169, 0.3405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 235, 224) }
```

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

```
.background{ background-color: rgb(231,  
235, 224) }
```

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