

Converting Colors

Yxy(81.3102, 0.3129, 0.3433)

Have a look what the booklet for
Yxy(81.3102, 0.3129, 0.3433)
contains.

Yxy(81.1659, 0.3127, 0.3428)	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(81.1659, 0.3127, 0.3428)

Conversions

Conversions Part 1

Format	Color
Hex	E0ECDF
RGB	224, 236, 223
RGB Percent	88%, 93%, 87%
CMY	0.1218, 0.0744, 0.1255
CMYK	0.05, 0.00, 0.06, 0.07
HSL	116°, 26%, 90%
HSV	116°, 6%, 93%
XYZ	74.0390, 81.1659, 81.5684
YIQ	230.9300, -2.9790, -6.5870

Conversions

Conversions Part 2

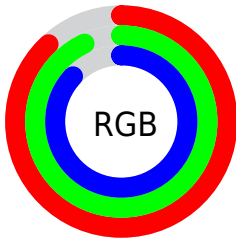
Format	Color
R _Y B	223, 236, 235
Decimal	14740703
CIE Lab	92.21, -6.35, 4.92
CIE LCh	92, 8.030, 142.225
Yxy	81.1659, 0.3127, 0.3428
Android (android.graphics.Color)	4292930783 (0xFFE0ECDF)
YUV	230.9300, -3.9095, -6.0776
Hunter-Lab	90.0921, -10.9673, 9.3840

Details

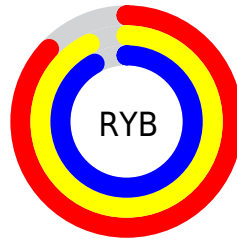
The Yxy color **81.1659, 0.3127, 0.3428** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.5034, 0.3127, 0.3155**, and the grayscale version is **79.8824, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.9047, 0.3128, 0.3455** is the 20% darker color. If you saturate the color by 10%, you get **76.7097, 0.3125, 0.3704**, and if you desaturate by 10%, it is **86.2567, 0.3127, 0.3185**.

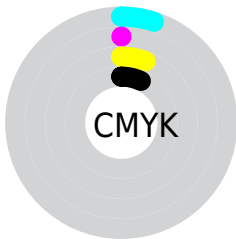
Distribution



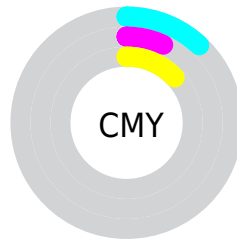
- Red (88%)
- Green (93%)
- Blue (87%)



- Red (87%)
- Yellow (93%)
- Blue (92%)



- Cyan (5%)
- Magenta (0%)
- Yellow (6%)
- Black (7%)





- Cyan (12%)
- Magenta (7%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.1659, 0.3127, 0.3428 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 81.1659, 0.3127, 0.3428 by changing the saturation by 10% instead.


 81.1659, 0.3127,
0.3428

 81.1659, 0.3127,
0.3428

498.8534, 0.3127,
0.3365

 60.6782, 0.3127,
0.3442


135.0037, 0.3127,
0.3406

 43.9655, 0.3127,
0.3460


169.1226, 0.3127,
0.3398

 30.6434, 0.3126,
0.3482


208.5541, 0.3127,
0.3390

 20.3275, 0.3126,
0.3511

253.6825, 0.3127,
0.3384

 12.6333, 0.3125,
0.3550

304.8922, 0.3127,
0.3378

 7.1765, 0.3123,
0.3607

362.5677, 0.3127,

 3.5727, 0.3120,

0.3373

0.3694

427.0933, 0.3127,
0.3369

■ 1.4376, 0.3113,
0.3846

■ 0.2442, 0.2401,
0.7599

■ 81.1659, 0.3127,
0.3428

■ 81.1659, 0.3127,
0.3428

■ 76.7097, 0.3125,
0.3704

■ 86.2567, 0.3127,
0.3185

■ 72.8533, 0.3122,
0.4012

■ 88.4850, 0.3136,
0.3107

■ 69.5743, 0.3115,
0.4348

■ 66.8448, 0.3105,
0.4701

■ 64.6348, 0.3092,
0.5052

■ 62.9111, 0.3075,
0.5377

■ 61.6369, 0.3056,
0.5650

■ 60.7700, 0.3036,
0.5848

■ 60.2603, 0.3018,
0.5961

Harmonies

Analogous

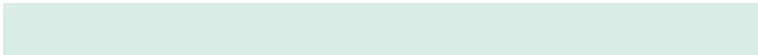
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.1659, 0.3219, 0.3453



81.1659, 0.3127, 0.3428



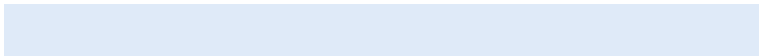
81.1659, 0.3037, 0.3364

Triad

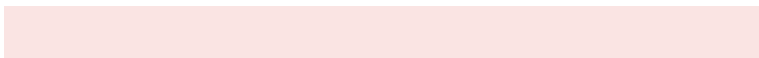
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.1659, 0.3127, 0.3428



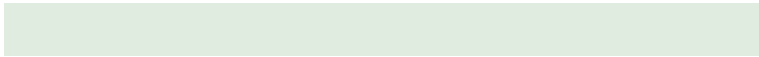
81.1659, 0.2970, 0.3147



81.1659, 0.3286, 0.3297

Complementary

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



81.1659, 0.3127, 0.3428



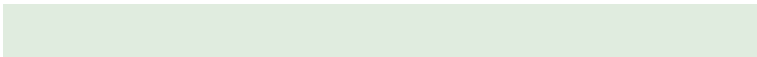
76.5034, 0.3127, 0.3155

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.



81.1659, 0.3217, 0.3218



81.1659, 0.3127, 0.3428



81.1659, 0.3035, 0.3131

Square

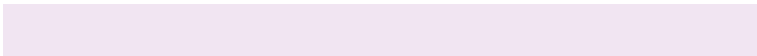
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



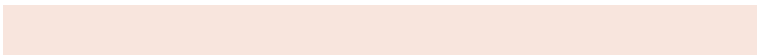
81.1659, 0.3127, 0.3428



81.1659, 0.2947, 0.3201



81.1659, 0.3125, 0.3158



81.1659, 0.3311, 0.3376

Rectangle

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



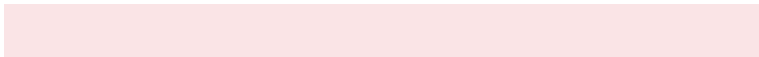
81.1659, 0.3127, 0.3428



81.1659, 0.2989, 0.3309



81.1659, 0.3125, 0.3158



81.1659, 0.3267, 0.3269

Sweetspot

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



81.1694, 0.3127, 0.3428



98.7898, 0.3127, 0.3339



82.5457, 0.3210, 0.3414



21.1578, 0.3127, 0.3337



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

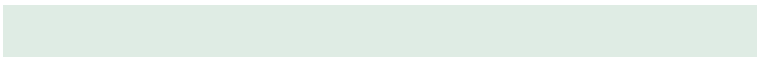
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.1694, 0.3127, 0.3428



95.8975, 0.3127, 0.3467



81.3164, 0.3087, 0.3370



17.0992, 0.3127, 0.3482



33.1547, 0.3016, 0.5987



2.6217, 0.3059, 0.5953

Inverse Universe

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



76.5034, 0.3127, 0.3155



88.8904, 0.3127, 0.3118



76.3539, 0.3169, 0.3211



15.7544, 0.3127, 0.3104



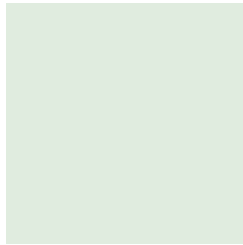
11.6533, 0.3028, 0.1442



0.9317, 0.3055, 0.1456

Previews

White Background



This preview shows how the Yxy color 81.1659, 0.3127, 0.3428 looks on a white background.

Color Contrast Check

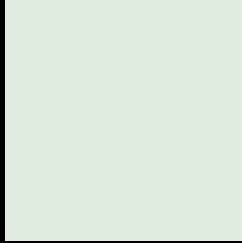
Large Text (above 18pt) WCAG AA × Fail

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 81.1659, 0.3127, 0.3428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

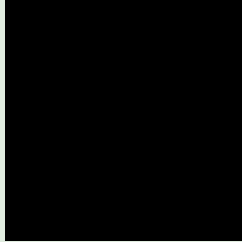
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

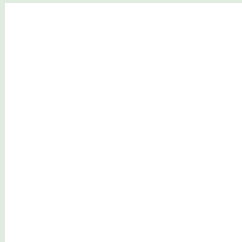
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.1659, 0.3127, 0.3428

Background



This preview shows how black text looks on a background with the Yxy color 81.1659, 0.3127, 0.3428.

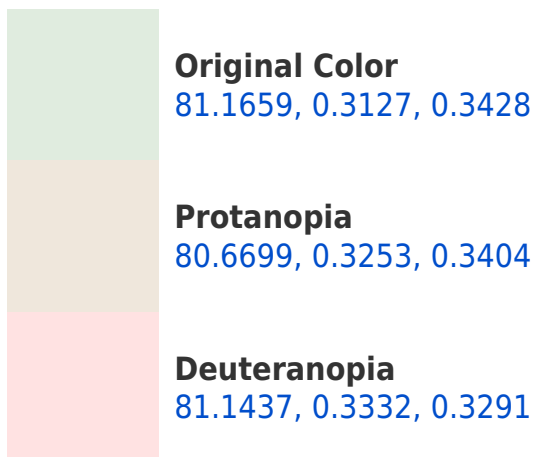


This preview shows how white text looks on a background with the Yxy color 81.1659, 0.3127, 0.3428.

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

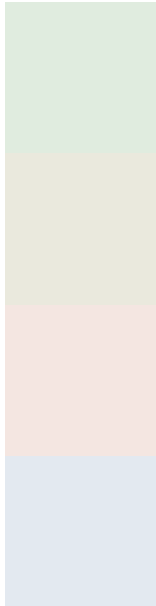




Tritanopia

81.1093, 0.2990, 0.3105

Trichromacy



Original Color

81.1659, 0.3127, 0.3428

Protanomaly

80.9907, 0.3210, 0.3415

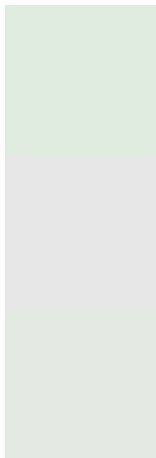
Deuteranomaly

81.2630, 0.3256, 0.3341

Tritanomaly

80.9000, 0.3044, 0.3217

Monochromacy



Original Color

81.1659, 0.3127, 0.3428

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.3732, 0.3125, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.1659, 0.3127, 0.3428 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, 236, 223)` looks like.

```
.text, #text, p{  
    color:rgb(224, 236, 223)  
}
```

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, 236, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 236, 223) }
```

Border

The CSS property to change the border of an element to Yxy 81.1659, 0.3127, 0.3428 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, 236, 223) }
```

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

```
.border{ border-color:rgb(224, 236, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 236, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(224, 236, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(224, 236, 223); box-shadow:4px 4px 4px 4px rgb(224, 236, 223) }
```


Background

The CSS property to change the background color of an element to Yxy 81.1659, 0.3127, 0.3428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 236, 223) }
```

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

```
.background{ background-color: rgb(224,  
236, 223) }
```

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