

Converting Colors

Yxy(80.3118, 0.3123, 0.3386)

Have a look what the booklet for
Yxy(80.3118, 0.3123, 0.3386)
contains.

Yxy(80.2894, 0.3123, 0.3385)	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(80.2894, 0.3123, 0.3385)

Conversions

Conversions Part 1

Format	Color
Hex	E1EAE1
RGB	225, 234, 225
RGB Percent	88%, 92%, 88%
CMY	0.1175, 0.0824, 0.1176
CMYK	0.04, 0.00, 0.04, 0.08
HSL	120°, 18%, 90%
HSV	120°, 4%, 92%
XYZ	74.0750, 80.2894, 82.8274
YIQ	230.2830, -2.4750, -4.7070

Conversions

Conversions Part 2

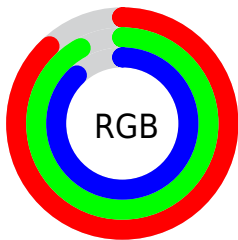
Format	Color
R _Y B	225, 234, 234
Decimal	14805729
CIE Lab	91.81, -4.59, 3.32
CIE LCh	92, 5.660, 144.147
Yxy	80.2894, 0.3123, 0.3385
Android (android.graphics.Color)	4292995809 (0xFFE1EAE1)
YUV	230.2830, -2.6045, -4.6332
Hunter-Lab	89.6044, -9.2435, 7.9173

Details

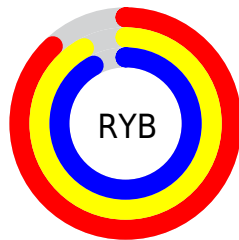
The Yxy color **80.2894, 0.3123, 0.3385** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **77.2752, 0.3131, 0.3197**, and the grayscale version is **79.3788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.2891, 0.3122, 0.3400** is the 20% darker color. If you saturate the color by 10%, you get **75.6103, 0.3111, 0.3657**, and if you desaturate by 10%, it is **85.6607, 0.3133, 0.3148**.

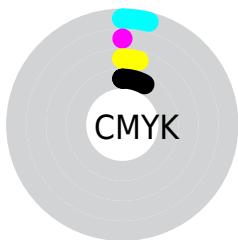
Distribution



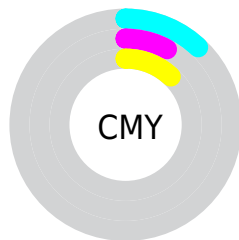
- Red (88%)
- Green (92%)
- Blue (88%)



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



- Cyan (4%)
- Magenta (0%)
- Yellow (4%)
- Black (8%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.2894, 0.3123, 0.3385 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 80.2894, 0.3123, 0.3385 by changing the saturation by 10% instead.


 80.2894, 0.3123,
0.3385

 80.2894, 0.3123,
0.3385


495.9076, 0.3125,
0.3342

 59.9565, 0.3123,
0.3395

133.7725, 0.3124,
0.3370

 43.3836, 0.3122,
0.3407


167.6916, 0.3124,
0.3364

 30.1862, 0.3121,
0.3422


206.9082, 0.3124,
0.3359

 19.9800, 0.3120,
0.3442

251.8066, 0.3124,
0.3355

 12.3805, 0.3118,
0.3469

302.7714, 0.3125,
0.3351

 7.0034, 0.3116,
0.3507

360.1869, 0.3125,

 3.4642, 0.3112,

0.3347

0.3567

424.4375, 0.3125,
0.3344

■ 1.3786, 0.3104,
0.3671

■ 0.2009, 0.2821,
0.7179

■ 80.2894, 0.3123,
0.3385

■ 80.2894, 0.3123,
0.3385

■ 75.6103, 0.3111,
0.3657

■ 85.6607, 0.3133,
0.3148

■ 71.5856, 0.3097,
0.3963

■ 87.3216, 0.3137,
0.3088

■ 68.1892, 0.3082,
0.4300

■ 65.3894, 0.3066,
0.4657

■ 63.1518, 0.3049,
0.5016

■ 61.4384, 0.3033,
0.5352

■ 60.2066, 0.3020,
0.5636

■ 59.4072, 0.3009,
0.5843

■ 58.9801, 0.3003,
0.5961

Harmonies

Analogous

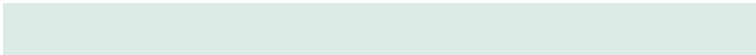
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.2894, 0.3188, 0.3405



80.2894, 0.3123, 0.3385



80.2894, 0.3060, 0.3339

Triad

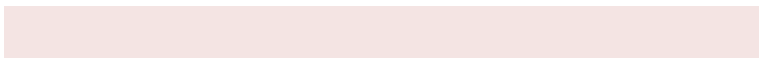
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.2894, 0.3123, 0.3385



80.2894, 0.3018, 0.3187



80.2894, 0.3241, 0.3299

Complementary

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



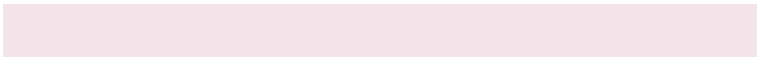
80.2894, 0.3123, 0.3385



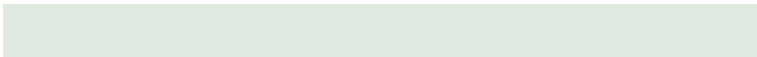
77.2752, 0.3131, 0.3197

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.



80.2894, 0.3195, 0.3242



80.2894, 0.3123, 0.3385



80.2894, 0.3066, 0.3178

Square

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



80.2894, 0.3123, 0.3385



80.2894, 0.2999, 0.3224



80.2894, 0.3130, 0.3198



80.2894, 0.3257, 0.3354

Rectangle

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



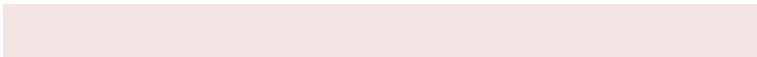
80.2894, 0.3123, 0.3385



80.2894, 0.3027, 0.3300



80.2894, 0.3130, 0.3198



80.2894, 0.3229, 0.3279

Sweetspot

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



80.2928, 0.3123, 0.3385



99.3587, 0.3126, 0.3314



81.6839, 0.3184, 0.3382



21.2736, 0.3126, 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.



80.2928, 0.3123, 0.3385



96.8784, 0.3122, 0.3415



80.5260, 0.3096, 0.3339



17.2582, 0.3121, 0.3432



33.0738, 0.3001, 0.5999



2.5983, 0.3004, 0.5997

Inverse Universe

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



77.2752, 0.3131, 0.3197



92.1213, 0.3132, 0.3168



77.0359, 0.3160, 0.3242



16.3002, 0.3133, 0.3152



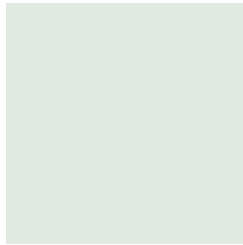
13.0610, 0.3197, 0.1535



1.0268, 0.3199, 0.1536

Previews

White Background



This preview shows how the Yxy color 80.2894, 0.3123, 0.3385 looks on a white background.

Color Contrast Check

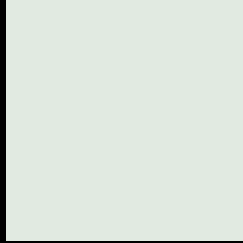
Large Text (above 18pt) WCAG AA × Fail

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 80.2894, 0.3123, 0.3385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

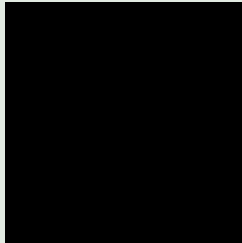
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

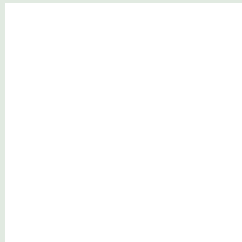
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.2894, 0.3123, 0.3385

Background



This preview shows how black text looks on a background with the Yxy color 80.2894, 0.3123, 0.3385.

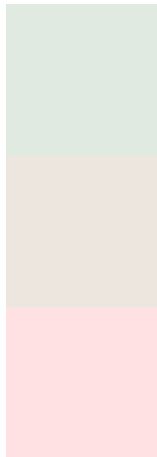


This preview shows how white text looks on a background with the Yxy color 80.2894, 0.3123, 0.3385.

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

80.2894, 0.3123, 0.3385

Protanopia

79.9259, 0.3220, 0.3363

Deuteranopia

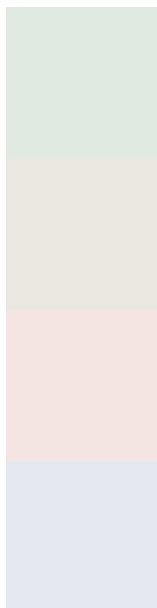
80.1174, 0.3328, 0.3261



Tritanopia

80.0912, 0.3003, 0.3095

Trichromacy



Original Color

80.2894, 0.3123, 0.3385

Protanomaly

79.8573, 0.3185, 0.3363

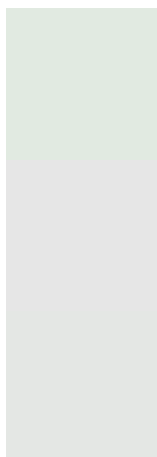
Deuteranomaly

80.2109, 0.3252, 0.3311

Tritanomaly

79.9371, 0.3051, 0.3196

Monochromacy



Original Color

80.2894, 0.3123, 0.3385

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.2472, 0.3126, 0.3322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.2894, 0.3123, 0.3385 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(225, 234, 225)` looks like.

```
.text, #text, p{  
    color:rgb(225, 234, 225)  
}
```

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(225, 234, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 234, 225) }
```

Border

The CSS property to change the border of an element to Yxy 80.2894, 0.3123, 0.3385 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(225, 234, 225) }
```

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

```
.border{ border-color:rgb(225, 234, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 234, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 234, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 234, 225);  
box-shadow:4px 4px 4px 4px rgb(225, 234,  
225) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 80.2894, 0.3123, 0.3385$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 234, 225) }
```

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

```
.background{ background-color: rgb(225,  
234, 225) }
```

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