

Converting Colors

$Yxy(80.8955, 0.3500, 0.4020)$

Have a look what the booklet for
Yxy(80.8955, 0.3500, 0.4020)
contains.

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Color

Yxy(80.8743, 0.3501, 0.4018)

Conversions

Conversions Part 1

Format	Color
Hex	E6EEAA
RGB	230, 238, 170
RGB Percent	90%, 93%, 67%
CMY	0.0980, 0.0667, 0.3332
CMYK	0.03, 0.00, 0.29, 0.07
HSL	67°, 67%, 80%
HSV	67°, 29%, 93%
XYZ	70.4681, 80.8743, 49.9376
YIQ	227.8560, 17.0600, -22.8440

Conversions

Conversions Part 2

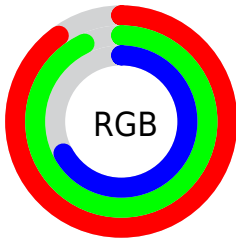
Format	Color
RYB	170, 238, 178
Decimal	15134378
CIELab	92.08, -13.31, 32.10
CIELCh	92, 34.750, 112.514
Yxy	80.8743, 0.3501, 0.4018
Android (android.graphics.Color)	4293324458 (0xFFE6EEAA)
YUV	227.8560, -28.5230, 1.8803
Hunter-Lab	89.9301, -17.5074, 30.0278

Details

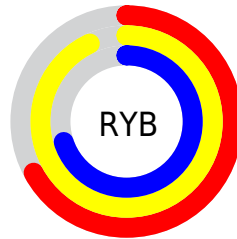
The Yxy color **80.8743, 0.3501, 0.4018** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **44.3982, 0.2684, 0.2474**, and the grayscale version is **77.6801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2710, 0.3298, 0.3572**, and **43.7389, 0.3581, 0.4188** is the 20% darker color. If you saturate the color by 10%, you get **79.5980, 0.3626, 0.4274**, and if you desaturate by 10%, it is **82.3283, 0.3370, 0.3758**.

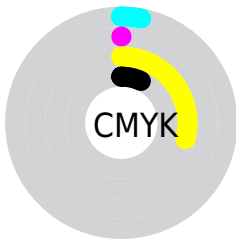
Distribution



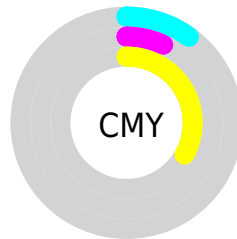
- Red (90%)
- Green (93%)
- Blue (67%)



- Red (67%)
- Yellow (93%)
- Blue (70%)



- Cyan (3%)
- Magenta (0%)
- Yellow (29%)
- Black (7%)



- Cyan (10%)
- Magenta (7%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.8743, 0.3501, 0.4018 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 80.8743, 0.3501, 0.4018 by changing the saturation by 10% instead.

 80.8743, 0.3501,
0.4018

 80.8743, 0.3501,
0.4018

497.8744, 0.3338,
0.3681

 60.4381, 0.3535,
0.4094


 134.5943, 0.3447,
0.3902

 43.7718, 0.3576,
0.4188

168.6468, 0.3425,
0.3856

 30.4912, 0.3625,
0.4305


208.0069, 0.3406,
0.3817

 20.2117, 0.3684,
0.4455

253.0589, 0.3389,
0.3783

 12.5490, 0.3756,
0.4655

304.1873, 0.3374,
0.3753

 7.1187, 0.3838,
0.4928

361.7764, 0.3361,

 3.5365, 0.3975,

0.3726

0.5390

426.2106, 0.3349,
0.3703

■ 1.4178, 0.4013,
0.5987

■ 0.2298, 0.0000,
1.0000

■ 80.8743, 0.3501,
0.4018

■ 80.8743, 0.3501,
0.4018

■ 79.5980, 0.3626,
0.4274

■ 82.3283, 0.3370,
0.3758

■ 78.4797, 0.3740,
0.4517


■ 83.9574, 0.3238,
0.3501


■ 77.5134, 0.3838,
0.4735


■ 85.7728, 0.3109,
0.3255


■ 76.6883, 0.3913,
0.4919


■ 87.1054, 0.3045,
0.3122

 75.9923, 0.3962,
0.5061

 87.6019, 0.3063,
0.3123


 75.4108, 0.3986,
0.5157


 88.1060, 0.3081,
0.3124

 74.9229, 0.3986,
0.5212

 88.6177, 0.3100,
0.3125

 74.8563, 0.3985,
0.5218

 89.1371, 0.3118,
0.3126

 89.6295, 0.3135,
0.3127

Harmonies

Analogous

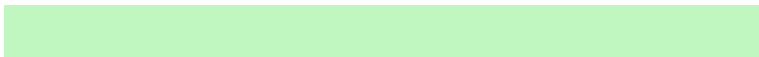
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.8743, 0.3810, 0.3894



80.8743, 0.3501, 0.4018



80.8743, 0.3104, 0.3921

Triad

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



80.8743, 0.3501, 0.4018



80.8743, 0.2380, 0.2878



80.8743, 0.3517, 0.2987

Complementary

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



80.8743, 0.3501, 0.4018



44.3982, 0.2684, 0.2474

Split Complementary

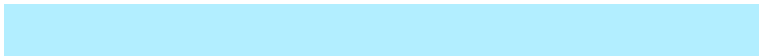
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.8743, 0.3109, 0.2753



80.8743, 0.3501, 0.4018



80.8743, 0.2472, 0.2678

Square

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



80.8743, 0.3501, 0.4018



80.8743, 0.2470, 0.3219



80.8743, 0.2730, 0.2640



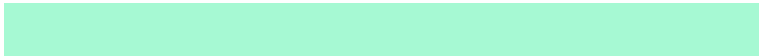
80.8743, 0.3828, 0.3297

Rectangle

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



80.8743, 0.3501, 0.4018



80.8743, 0.2845, 0.3735



80.8743, 0.2730, 0.2640



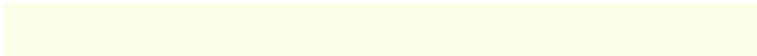
80.8743, 0.3385, 0.2898

Sweetspot

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



80.8779, 0.3501, 0.4018



98.1012, 0.3244, 0.3513



52.9035, 0.3733, 0.3380



20.9356, 0.3263, 0.3550



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

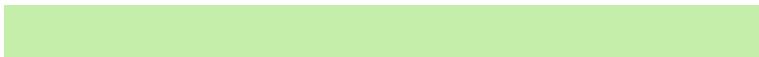
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.8779, 0.3501, 0.4018



93.7371, 0.3572, 0.4162



75.7995, 0.3261, 0.4078



18.3593, 0.3250, 0.3525



41.7992, 0.3988, 0.5215



3.5037, 0.4017, 0.5193

Inverse Universe

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



44.3982, 0.2684, 0.2474



44.8589, 0.2580, 0.2288



48.9204, 0.2948, 0.2532



15.3177, 0.2998, 0.3047



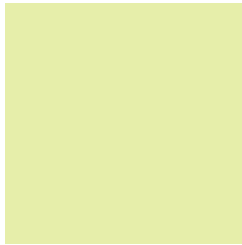
3.6097, 0.1543, 0.0623



0.3290, 0.1629, 0.0671

Previews

White Background



This preview shows how the Yxy color 80.8743, 0.3501, 0.4018 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 80.8743, 0.3501, 0.4018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

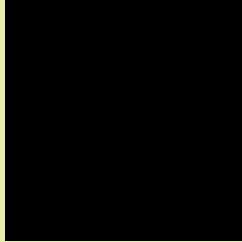
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.8743, 0.3501, 0.4018

Background



This preview shows how black text looks on a background with the Yxy color 80.8743, 0.3501, 0.4018.

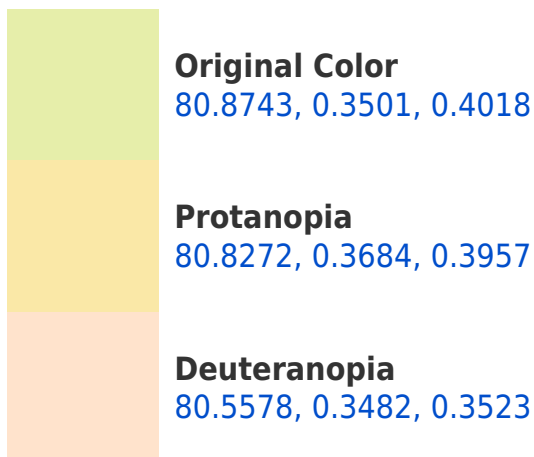


This preview shows how white text looks on a background with the Yxy color 80.8743, 0.3501, 0.4018.

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

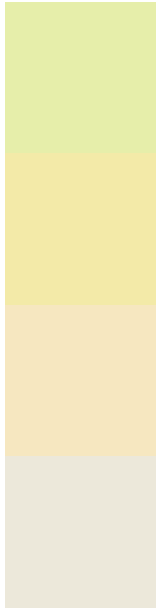




Tritanopia

80.6659, 0.3095, 0.3108

Trichromacy



Original Color

80.8743, 0.3501, 0.4018

Protanomaly

80.7275, 0.3619, 0.3978

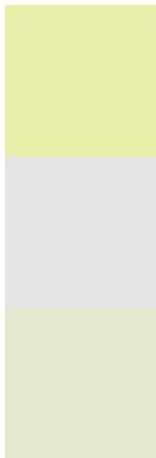
Deuteranomaly

80.5504, 0.3490, 0.3694

Tritanomaly

80.6080, 0.3244, 0.3436

Monochromacy



Original Color

80.8743, 0.3501, 0.4018

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

78.8762, 0.3266, 0.3557

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8743, 0.3501, 0.4018 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(230, 238, 170)` looks like.

```
.text, #text, p{  
    color:rgb(230, 238, 170)  
}
```

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(230, 238, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 238, 170) }
```

Border

The CSS property to change the border of an element to Yxy 80.8743, 0.3501, 0.4018 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(230, 238, 170) }
```

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

```
.border{ border-color:rgb(230, 238, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 238, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 238, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 238, 170);  
box-shadow:4px 4px 4px 4px rgb(230, 238,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8743, 0.3501, 0.4018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 238, 170) }
```

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

```
.background{ background-color: rgb(230,  
238, 170) }
```

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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