

Converting Colors

$Y_{xy}(81.2269, 0.3505, 0.4029)$

Have a look what the booklet for
Yxy(81.2269, 0.3505, 0.4029)
contains.

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Color

Yxy(81.4206, 0.3505, 0.4039)

Conversions

Conversions Part 1

Format	Color
Hex	E6EFA9
RGB	230, 239, 169
RGB Percent	90%, 94%, 66%
CMY	0.0981, 0.0627, 0.3374
CMYK	0.04, 0.00, 0.29, 0.06
HSL	68°, 69%, 80%
HSV	68°, 29%, 94%
XYZ	70.6559, 81.4206, 49.5095
YIQ	228.3290, 17.1060, -23.6780

Conversions

Conversions Part 2

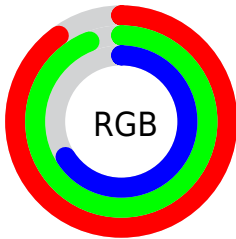
Format	Color
RYB	169, 239, 178
Decimal	15134633
CIELab	92.32, -13.95, 32.96
CIELCh	92, 35.793, 112.940
Yxy	81.4206, 0.3505, 0.4039
Android (android.graphics.Color)	4293324713 (0xFFE6EFA9)
YUV	228.3290, -29.2492, 1.4655
Hunter-Lab	90.2334, -18.1366, 30.6319

Details

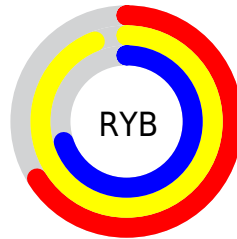
The Yxy color **81.4206, 0.3505, 0.4039** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **44.0589, 0.2676, 0.2450**, and the grayscale version is **78.0445, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2162, 0.3304, 0.3582**, and **44.1266, 0.3585, 0.4213** is the 20% darker color. If you saturate the color by 10%, you get **80.1025, 0.3628, 0.4296**, and if you desaturate by 10%, it is **82.9190, 0.3376, 0.3778**.

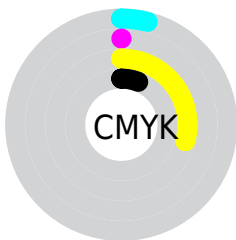
Distribution



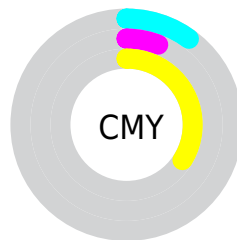
- Red (90%)
- Green (94%)
- Blue (66%)



- Red (66%)
- Yellow (94%)
- Blue (70%)



- Cyan (4%)
- Magenta (0%)
- Yellow (29%)
- Black (6%)





- Cyan (10%)
- Magenta (6%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.4206, 0.3505, 0.4039 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 81.4206, 0.3505, 0.4039 by changing the saturation by 10% instead.

 81.4206, 0.3505,
0.4039


 81.4206, 0.3505,
0.4039

499.7076, 0.3341,
0.3693

 60.8881, 0.3539,
0.4117


 135.3612, 0.3450,
0.3919

 44.1348, 0.3580,
0.4213


 169.5380, 0.3428,
0.3873

 30.7765, 0.3629,
0.4333


209.0318, 0.3409,
0.3832

 20.4287, 0.3687,
0.4488

254.2268, 0.3392,
0.3797

 12.7071, 0.3757,
0.4691

305.5075, 0.3377,
0.3766

 7.2272, 0.3836,
0.4969

363.2582, 0.3364,

 3.6046, 0.3972,

0.3739

0.5445

427.8635, 0.3352,
0.3715

■ 1.4549, 0.3977,
0.6023

■ 0.2567, 0.0000,
1.0000

■ 81.4206, 0.3505,
0.4039

■ 81.4206, 0.3505,
0.4039

■ 80.1025, 0.3628,
0.4296

■ 82.9190, 0.3376,
0.3778

■ 78.9449, 0.3739,
0.4539


■ 84.5952, 0.3246,
0.3520


■ 77.9414, 0.3832,
0.4757

■ 86.4605, 0.3118,
0.3273

■ 77.0813, 0.3904,
0.4941


■ 87.8904, 0.3052,
0.3132

 76.3518, 0.3949,
0.5081


 88.4406, 0.3072,
0.3133

 75.7383, 0.3969,
0.5176

 89.0000, 0.3092,
0.3134

 75.2175, 0.3965,
0.5231

 89.5687, 0.3112,
0.3135

 75.1829, 0.3965,
0.5234

 90.1466, 0.3132,
0.3136

 90.2196, 0.3134,
0.3136

Harmonies

Analogous

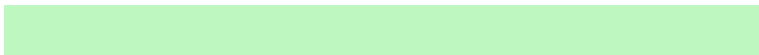
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.4206, 0.3825, 0.3913



81.4206, 0.3505, 0.4039



81.4206, 0.3096, 0.3937

Triad

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



81.4206, 0.3505, 0.4039



81.4206, 0.2361, 0.2863



81.4206, 0.3533, 0.2983

Complementary

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



81.4206, 0.3505, 0.4039



44.0589, 0.2676, 0.2450

Split Complementary

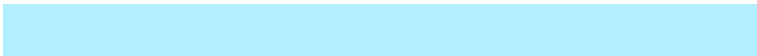
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.4206, 0.3114, 0.2742



81.4206, 0.3505, 0.4039



81.4206, 0.2457, 0.2660

Square

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



81.4206, 0.3505, 0.4039



81.4206, 0.2450, 0.3211



81.4206, 0.2724, 0.2624



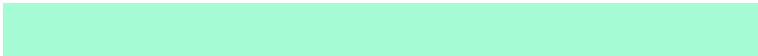
81.4206, 0.3851, 0.3302

Rectangle

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



81.4206, 0.3505, 0.4039



81.4206, 0.2831, 0.3743



81.4206, 0.2724, 0.2624



81.4206, 0.3398, 0.2892

Sweetspot

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



81.4242, 0.3505, 0.4039



98.0528, 0.3243, 0.3513



52.7144, 0.3755, 0.3383



20.9236, 0.3261, 0.3550



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

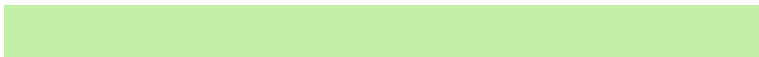
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.4242, 0.3505, 0.4039



93.4089, 0.3577, 0.4190



76.3139, 0.3264, 0.4101



18.3498, 0.3248, 0.3525



41.5840, 0.3968, 0.5231



3.4879, 0.4000, 0.5206

Inverse Universe

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



44.0589, 0.2676, 0.2450



43.7774, 0.2568, 0.2256



48.6164, 0.2942, 0.2511



15.3263, 0.2999, 0.3047



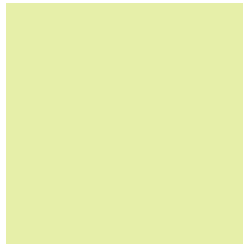
3.6338, 0.1549, 0.0627



0.3331, 0.1641, 0.0678

Previews

White Background



This preview shows how the Yxy color 81.4206, 0.3505, 0.4039 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 81.4206, 0.3505, 0.4039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

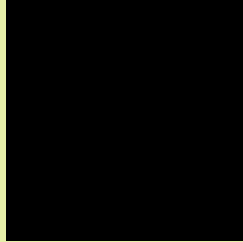
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.4206, 0.3505, 0.4039

Background



This preview shows how black text looks on a background with the Yxy color 81.4206, 0.3505, 0.4039.

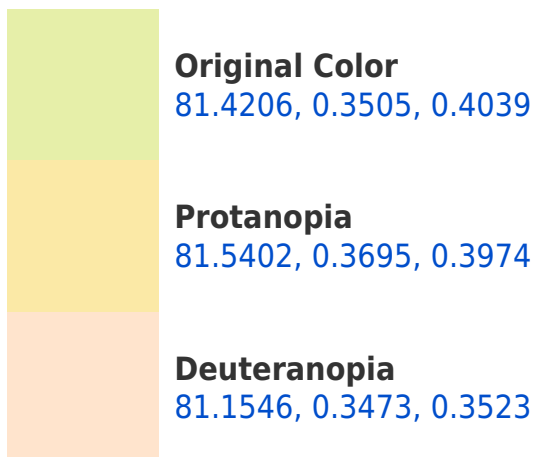


This preview shows how white text looks on a background with the Yxy color 81.4206, 0.3505, 0.4039.

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

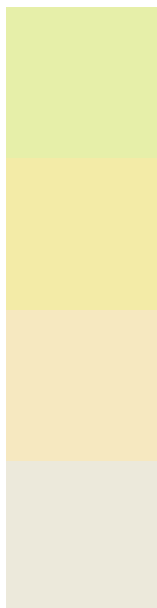




Tritanopia

81.2793, 0.3088, 0.3109

Trichromacy



Original Color

81.4206, 0.3505, 0.4039

Protanomaly

81.2614, 0.3623, 0.3998

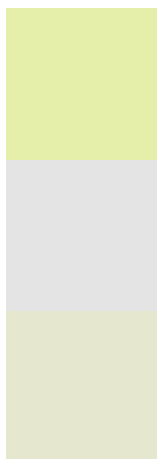
Deuteranomaly

81.1118, 0.3488, 0.3704

Tritanomaly

81.2252, 0.3237, 0.3436

Monochromacy



Original Color

81.4206, 0.3505, 0.4039

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 81.4206, 0.3505, 0.4039 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, 239, 169)` looks like.

```
.text, #text, p{  
    color:rgb(230, 239, 169)  
}
```

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, 239, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 239, 169) }
```

Border

The CSS property to change the border of an element to Yxy 81.4206, 0.3505, 0.4039 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, 239, 169) }
```

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

```
.border{ border-color:rgb(230, 239, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 239, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 239, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 239, 169);  
box-shadow:4px 4px 4px 4px rgb(230, 239,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 81.4206, 0.3505, 0.4039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 239, 169) }
```

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

```
.background{ background-color: rgb(230,  
239, 169) }
```

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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