

Converting Colors

$Yxy(83.8389, 0.3510, 0.4036)$

Have a look what the booklet for
Yxy(83.8389, 0.3510, 0.4036)
contains.

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Color

Yxy(83.9370, 0.3514, 0.4038)

Conversions

Conversions Part 1

Format	Color
Hex	EA F2 AB
RGB	234, 242, 171
RGB Percent	92%, 95%, 67%
CMY	0.0822, 0.0510, 0.3294
CMYK	0.03, 0.00, 0.29, 0.05
HSL	67°, 73%, 81%
HSV	67°, 29%, 95%
XYZ	73.0447, 83.9370, 50.8860
YIQ	231.5140, 18.0230, -23.7770

Conversions

Conversions Part 2

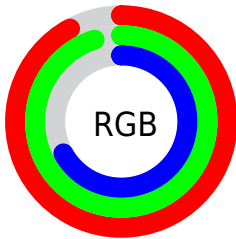
Format	Color
RYB	171, 242, 179
Decimal	15397547
CIELab	93.42, -13.66, 33.45
CIELCh	93, 36.137, 112.217
Yxy	83.9370, 0.3514, 0.4038
Android (android.graphics.Color)	4293587627 (0xFFEAF2AB)
YUV	231.5140, -29.8334, 2.1802
Hunter-Lab	91.6171, -18.0151, 31.2011

Details

The Yxy color **83.9370, 0.3514, 0.4038** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **45.1223, 0.2667, 0.2447**, and the grayscale version is **80.5378, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3261, 0.3292, 0.3562**, and **45.7729, 0.3586, 0.4213** is the 20% darker color. If you saturate the color by 10%, you get **82.6450, 0.3640, 0.4293**, and if you desaturate by 10%, it is **85.4125, 0.3382, 0.3778**.

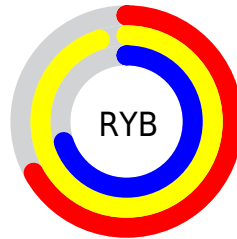
Distribution



Red (92%)

Green (95%)

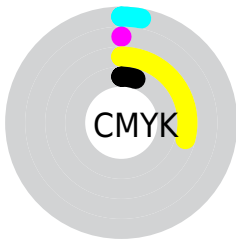
Blue (67%)



Red (67%)

Yellow (95%)

Blue (70%)

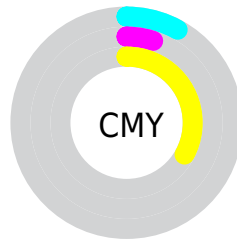


Cyan (3%)

Magenta (0%)

Yellow (29%)

Black (5%)



Cyan (8%)


Magenta (5%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.9370, 0.3514, 0.4038 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 83.9370, 0.3514, 0.4038 by changing the saturation by 10% instead.


 83.9370, 0.3514,
0.4038

 83.9370, 0.3514,
0.4038


508.1040, 0.3347,
0.3694

 62.9634, 0.3549,
0.4115

 138.8870, 0.3458,
0.3920

 45.8116, 0.3590,
0.4209


173.6323, 0.3436,
0.3873

 32.0972, 0.3640,
0.4327


213.7369, 0.3417,
0.3833

 21.4357, 0.3699,
0.4478

259.5853, 0.3399,
0.3799

 13.4429, 0.3770,
0.4675

311.5618, 0.3384,
0.3768

 7.7342, 0.3851,
0.4943

370.0508, 0.3370,

 3.9254, 0.3968,

0.3741

435.4367, 0.3358,
0.3716

0.5369

1.6319, 0.4030,
0.5970

0.3790, 0.0657,
0.9343

83.9370, 0.3514,
0.4038

83.9370, 0.3514,
0.4038

82.6450, 0.3640,
0.4293

85.4125, 0.3382,
0.3778

81.5159, 0.3754,
0.4534


87.0688, 0.3249,
0.3521

80.5434, 0.3850,
0.4749

88.9176, 0.3119,
0.3274


79.7162, 0.3925,
0.4928


90.1134, 0.3068,
0.3163


 79.0214, 0.3973,
0.5065


 90.6046, 0.3085,
0.3163


 78.4436, 0.3995,
0.5157

 91.1030, 0.3103,
0.3164

 77.9592, 0.3995,
0.5208

 91.6086, 0.3120,
0.3165

 77.9282, 0.3994,
0.5211

 91.9810, 0.3133,
0.3165

Harmonies

Analogous

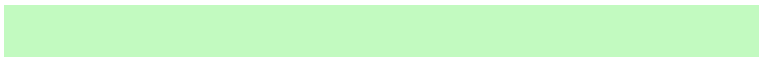
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.9370, 0.3830, 0.3907



83.9370, 0.3514, 0.4038



83.9370, 0.3107, 0.3942

Triad

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



83.9370, 0.3514, 0.4038



83.9370, 0.2361, 0.2870



83.9370, 0.3524, 0.2977

Complementary

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



83.9370, 0.3514, 0.4038



45.1223, 0.2667, 0.2447

Split Complementary

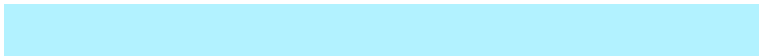
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.9370, 0.3104, 0.2738



83.9370, 0.3514, 0.4038



83.9370, 0.2453, 0.2663

Square

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



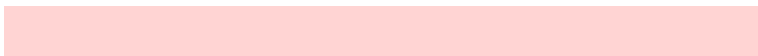
83.9370, 0.3514, 0.4038



83.9370, 0.2455, 0.3220



83.9370, 0.2716, 0.2623



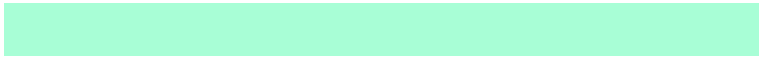
83.9370, 0.3845, 0.3293

Rectangle

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



83.9370, 0.3514, 0.4038



83.9370, 0.2840, 0.3751



83.9370, 0.2716, 0.2623



83.9370, 0.3388, 0.2886

Sweetspot

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



83.9407, 0.3514, 0.4038



98.1244, 0.3245, 0.3513



53.7029, 0.3760, 0.3370



20.9413, 0.3264, 0.3550



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

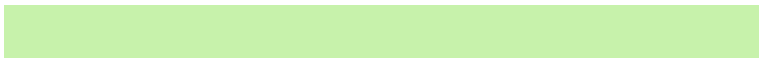
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9407, 0.3514, 0.4038



93.6757, 0.3588, 0.4186



78.6397, 0.3272, 0.4100



18.3638, 0.3251, 0.3524



41.9036, 0.3998, 0.5208



3.5114, 0.4025, 0.5186

Inverse Universe

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



45.1223, 0.2667, 0.2447



43.6031, 0.2557, 0.2253



49.7784, 0.2932, 0.2507



15.3135, 0.2997, 0.3047



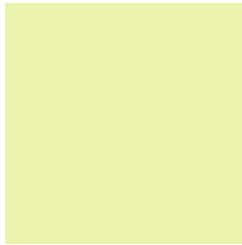
3.5988, 0.1540, 0.0622



0.3271, 0.1623, 0.0668

Previews

White Background



This preview shows how the Yxy color 83.9370, 0.3514, 0.4038 looks on a white background.

Color Contrast Check

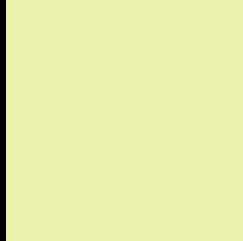
Large Text (above 18pt) WCAG AA × Fail

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 83.9370, 0.3514, 0.4038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

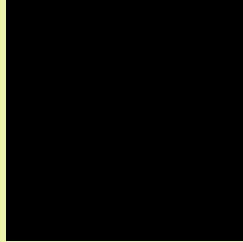
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.9370, 0.3514, 0.4038

Background



This preview shows how black text looks on a background with the Yxy color 83.9370, 0.3514, 0.4038.

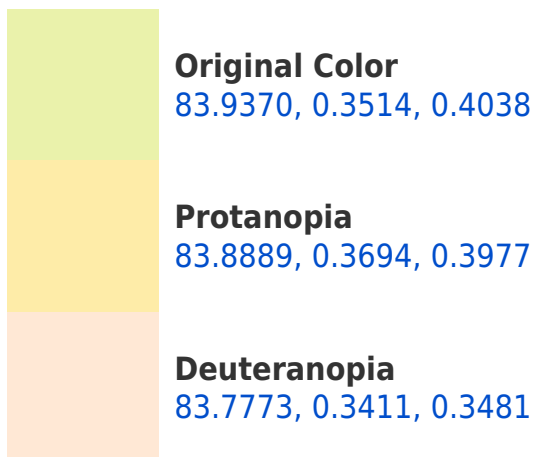


This preview shows how white text looks on a background with the Yxy color 83.9370, 0.3514, 0.4038.

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

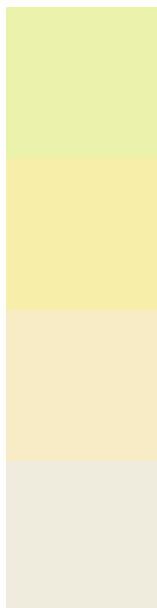




Tritanopia

83.8484, 0.3095, 0.3111

Trichromacy



Original Color

83.9370, 0.3514, 0.4038

Protanomaly

83.7878, 0.3631, 0.3998

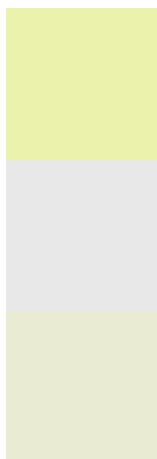
Deuteranomaly

83.8423, 0.3447, 0.3680

Tritanomaly

83.7366, 0.3249, 0.3444

Monochromacy



Original Color

83.9370, 0.3514, 0.4038

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.9677, 0.3271, 0.3563

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.9370, 0.3514, 0.4038 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(234, 242, 171)` looks like.

```
.text, #text, p{  
    color:rgb(234, 242, 171)  
}
```

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(234, 242, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 242, 171) }
```

Border

The CSS property to change the border of an element to Yxy 83.9370, 0.3514, 0.4038 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(234, 242, 171) }
```

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

```
.border{ border-color:rgb(234, 242, 171) }
```

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

Here you see how a box with a 4 pixel rgb(234, 242, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 242, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 242, 171);  
box-shadow:4px 4px 4px 4px rgb(234, 242,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 83.9370, 0.3514, 0.4038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 242, 171) }
```

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

```
.background{ background-color: rgb(234,  
242, 171) }
```

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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