

Converting Colors

$Yxy(76.3414, 0.3495, 0.3956)$

Have a look what the booklet for
Yxy(76.3414, 0.3495, 0.3956)
contains.

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Color

Yxy(76.3850, 0.3496, 0.3955)

Conversions

Conversions Part 1

Format	Color
Hex	E3E7AA
RGB	227, 231, 170
RGB Percent	89%, 91%, 67%
CMY	0.1097, 0.0941, 0.3332
CMYK	0.02, 0.00, 0.26, 0.09
HSL	64°, 56%, 79%
HSV	64°, 26%, 91%
XYZ	67.5201, 76.3850, 49.2302
YIQ	222.8500, 17.1970, -19.8190

Conversions

Conversions Part 2

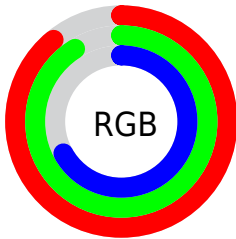
Format	Color
RYB	170, 231, 174
Decimal	14935978
CIELab	90.04, -10.92, 29.32
CIElCh	90, 31.288, 110.432
Yxy	76.3850, 0.3496, 0.3955
Android (android.graphics.Color)	4293126058 (0xFFE3E7AA)
YUV	222.8500, -26.0550, 3.6396
Hunter-Lab	87.3985, -15.0465, 27.7819

Details

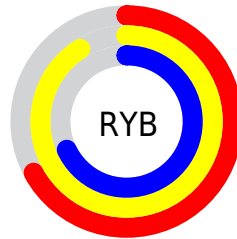
The Yxy color **76.3850, 0.3496, 0.3955** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **43.5286, 0.2700, 0.2540**, and the grayscale version is **73.8659, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2710, 0.3298, 0.3572**, and **40.9929, 0.3575, 0.4124** is the 20% darker color. If you saturate the color by 10%, you get **75.3463, 0.3632, 0.4207**, and if you desaturate by 10%, it is **77.5862, 0.3355, 0.3699**.

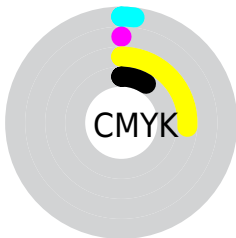
Distribution



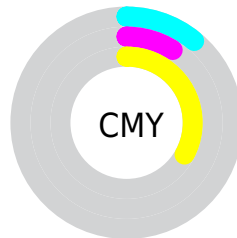
- Red (89%)
- Green (91%)
- Blue (67%)



- Red (67%)
- Yellow (91%)
- Blue (68%)



- Cyan (2%)
- Magenta (0%)
- Yellow (26%)
- Black (9%)





- Cyan (11%)
- Magenta (9%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.3850, 0.3496, 0.3955 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 76.3850, 0.3496, 0.3955 by changing the saturation by 10% instead.


 76.3850, 0.3496,
0.3955

 76.3850, 0.3496,
0.3955


482.6646, 0.3332,
0.3645

 56.7483, 0.3531,
0.4026

 128.2710, 0.3441,
0.3847

 40.8032, 0.3574,
0.4113

161.2890, 0.3419,
0.3806

 28.1653, 0.3626,
0.4223


199.5363, 0.3399,
0.3769

 18.4503, 0.3689,
0.4365

243.3971, 0.3383,
0.3738

 11.2738, 0.3769,
0.4555

293.2560, 0.3368,
0.3711

 6.2513, 0.3865,
0.4819

349.4973, 0.3355,

 2.9985, 0.4050,

0.3686

0.5303

412.5053, 0.3343,
0.3665

■ 1.1309, 0.4111,
0.5889

■ 0.0042, 0.0000,
1.0000

■ 76.3850, 0.3496,
0.3955

■ 76.3850, 0.3496,
0.3955

■ 75.3463, 0.3632,
0.4207

■ 77.5862, 0.3355,
0.3699

■ 74.4519, 0.3759,
0.4446


■ 78.9473, 0.3215,
0.3446


■ 73.6965, 0.3870,
0.4660


■ 80.4784, 0.3079,
0.3204

■ 73.0702, 0.3960,
0.4841


■ 81.6985, 0.2993,
0.3047

 72.5622, 0.4025,
0.4982


 81.9523, 0.3003,
0.3048

 72.1595, 0.4063,
0.5077


 82.2082, 0.3013,
0.3049

 71.8461, 0.4077,
0.5130

 82.4662, 0.3022,
0.3050

 71.7452, 0.4079,
0.5144

 82.7265, 0.3032,
0.3050

 82.9889, 0.3042,
0.3051

Harmonies

Analogous

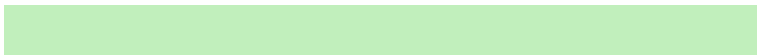
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.3850, 0.3769, 0.3833



76.3850, 0.3496, 0.3955



76.3850, 0.3134, 0.3879

Triad

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



76.3850, 0.3496, 0.3955



76.3850, 0.2438, 0.2932



76.3850, 0.3461, 0.2993

Complementary

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



76.3850, 0.3496, 0.3955



43.5286, 0.2700, 0.2540

Split Complementary

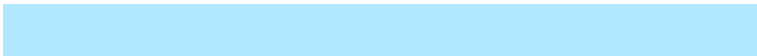
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.3850, 0.3086, 0.2782



76.3850, 0.3496, 0.3955



76.3850, 0.2512, 0.2735

Square

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



76.3850, 0.3496, 0.3955



76.3850, 0.2534, 0.3252



76.3850, 0.2742, 0.2687



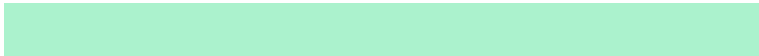
76.3850, 0.3755, 0.3278

Rectangle

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



76.3850, 0.3496, 0.3955



76.3850, 0.2892, 0.3717



76.3850, 0.2742, 0.2687



76.3850, 0.3339, 0.2912

Sweetspot

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



76.3884, 0.3496, 0.3955



98.5045, 0.3238, 0.3488



49.8094, 0.3685, 0.3327



21.0271, 0.3259, 0.3525



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.



76.3884, 0.3496, 0.3955



94.8208, 0.3576, 0.4102



71.9853, 0.3280, 0.4004



16.7670, 0.3258, 0.3523



40.2449, 0.4080, 0.5142



2.9884, 0.4098, 0.5128

Inverse Universe

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



43.5286, 0.2700, 0.2540



46.8090, 0.2588, 0.2348



47.3062, 0.2931, 0.2588



13.9316, 0.2990, 0.3048



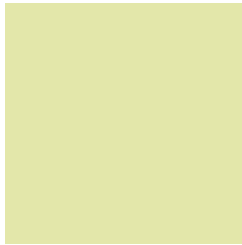
3.3098, 0.1521, 0.0611



0.2604, 0.1579, 0.0643

Previews

White Background



This preview shows how the Yxy color 76.3850, 0.3496, 0.3955 looks on a white background.

Color Contrast Check

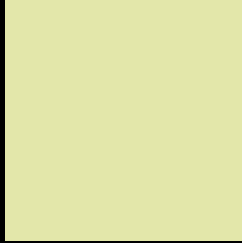
Large Text (above 18pt) WCAG AA × Fail

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 76.3850, 0.3496, 0.3955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

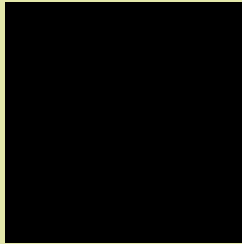
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

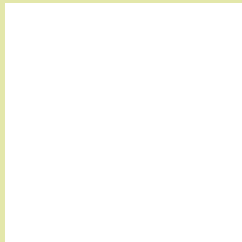
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.3850, 0.3496, 0.3955

Background



This preview shows how black text looks on a background with the Yxy color 76.3850, 0.3496, 0.3955.



This preview shows how white text looks on a background with the Yxy color 76.3850, 0.3496, 0.3955.

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

76.3850, 0.3496, 0.3955

Protanopia

76.2746, 0.3643, 0.3901

Deuteranopia

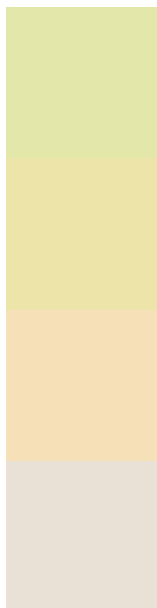
76.2080, 0.3589, 0.3587



Tritanopia

76.3074, 0.3114, 0.3115

Trichromacy



Original Color

76.3850, 0.3496, 0.3955

Protanomaly

76.3559, 0.3585, 0.3920

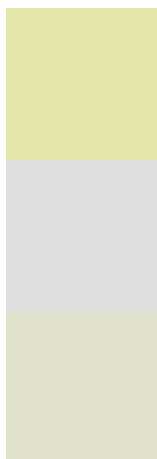
Deuteranomaly

76.1427, 0.3560, 0.3720

Tritanomaly

76.0291, 0.3256, 0.3407

Monochromacy



Original Color

76.3850, 0.3496, 0.3955

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

74.5996, 0.3257, 0.3530

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.3850, 0.3496, 0.3955 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(227, 231, 170)` looks like.

```
.text, #text, p{  
    color:rgb(227, 231, 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(227, 231, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 231, 170) }
```

Border

The CSS property to change the border of an element to Yxy 76.3850, 0.3496, 0.3955 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(227, 231, 170) }
```

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

```
.border{ border-color:rgb(227, 231, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 231, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 231, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 231, 170);  
box-shadow:4px 4px 4px 4px rgb(227, 231,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 76.3850, 0.3496, 0.3955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 231, 170) }
```

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

```
.background{ background-color: rgb(227,  
231, 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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