

# Converting Colors

$Yxy(78.2353, 0.3483, 0.4044)$

Have a look what the booklet for  
Yxy(78.2353, 0.3483, 0.4044)  
contains.

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# Color

**Yxy(78.0171, 0.3490, 0.4044)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0EBA6
RGB	224, 235, 166
RGB Percent	88%, 92%, 65%
CMY	0.1216, 0.0784, 0.3491
CMYK	0.05, 0.00, 0.29, 0.08
HSL	70°, 63%, 79%
HSV	70°, 29%, 92%
XYZ	67.3293, 78.0171, 47.5742
YIQ	223.8450, 15.5930, -23.7910

# Conversions

## Conversions Part 2

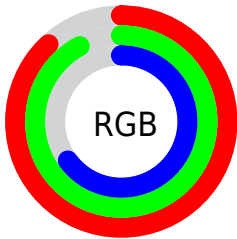
Format	Color
<b>RYB</b>	166, 235, 177
Decimal	14740390
CIELab	90.79, -14.58, 32.35
CIELCh	91, 35.485, 114.252
Yxy	78.0171, 0.3490, 0.4044
Android (android.graphics.Color)	4292930470 (0xFFE0EBA6)
YUV	223.8450, -28.5176, 0.1359
Hunter-Lab	88.3273, -18.5075, 29.8947

# Details

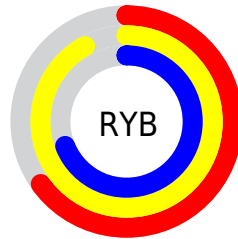
The Yxy color **78.0171, 0.3490, 0.4044** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **42.6081, 0.2691, 0.2453**, and the grayscale version is **74.6243, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0539, 0.3321, 0.3611**, and **41.7573, 0.3567, 0.4225** is the 20% darker color. If you saturate the color by 10%, you get **76.6433, 0.3607, 0.4305**, and if you desaturate by 10%, it is **79.5687, 0.3367, 0.3781**.

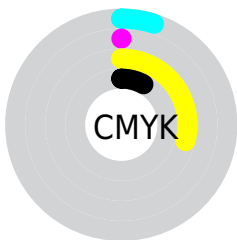
# Distribution



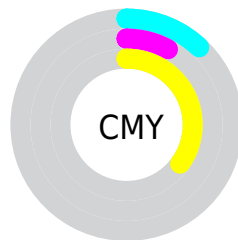
- Red (88%)
- Green (92%)
- Blue (65%)



- Red (65%)
- Yellow (92%)
- Blue (69%)



- Cyan (5%)
- Magenta (0%)
- Yellow (29%)
- Black (8%)




- Cyan (12%)
- Magenta (8%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.0171, 0.3490, 0.4044 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 78.0171, 0.3490, 0.4044 by changing the saturation by 10% instead.




 78.0171, 0.3490,  
0.4044


 78.0171, 0.3490,  
0.4044


488.2249, 0.3332,  
0.3692

 58.0880, 0.3523,  
0.4124


 130.5742, 0.3437,  
0.3922

 41.8794, 0.3563,  
0.4223


 163.9711, 0.3416,  
0.3874

 29.0069, 0.3610,  
0.4348


202.6260, 0.3397,  
0.3833

 19.0860, 0.3667,  
0.4508

246.9233, 0.3381,  
0.3798

 11.7325, 0.3734,  
0.4723

297.2475, 0.3367,  
0.3767

 6.5618, 0.3808,  
0.5018

353.9828, 0.3354,

 3.1896, 0.3980,

0.3739

0.5592

417.5139, 0.3342,  
0.3714

■ 1.2315, 0.3876,  
0.6124

■ 0.0872, 0.0000,  
1.0000

■ 78.0171, 0.3490,  
0.4044

■ 78.0171, 0.3490,  
0.4044

■ 76.6433, 0.3607,  
0.4305

■ 79.5687, 0.3367,  
0.3781

■ 75.4280, 0.3712,  
0.4552

■ 81.2956, 0.3242,  
0.3522


■ 74.3654, 0.3800,  
0.4776

■ 83.2088, 0.3120,  
0.3275

■ 73.4449, 0.3866,  
0.4966

■ 84.9904, 0.3031,  
0.3091

 72.6543, 0.3906,  
0.5113

 85.6496, 0.3056,  
0.3092


 71.9795, 0.3920,  
0.5214


 86.3224, 0.3080,  
0.3094

 71.3977, 0.3911,  
0.5274

 87.0088, 0.3105,  
0.3096

 71.3627, 0.3910,  
0.5277

 87.7091, 0.3129,  
0.3097

 87.9013, 0.3136,  
0.3097

# Harmonies

## Analogous

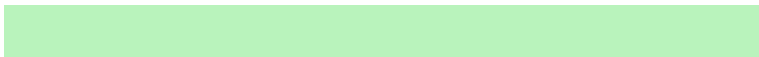
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.0171, 0.3818, 0.3925



78.0171, 0.3490, 0.4044



78.0171, 0.3078, 0.3931

# Triad

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



78.0171, 0.3490, 0.4044



78.0171, 0.2357, 0.2848



78.0171, 0.3553, 0.2994

# Complementary

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



78.0171, 0.3490, 0.4044



42.6081, 0.2691, 0.2453

# Split Complementary

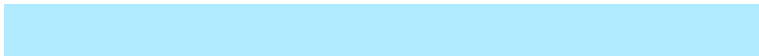
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.0171, 0.3133, 0.2747



78.0171, 0.3490, 0.4044



78.0171, 0.2462, 0.2651

# Square

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



78.0171, 0.3490, 0.4044



78.0171, 0.2439, 0.3193



78.0171, 0.2737, 0.2622



78.0171, 0.3864, 0.3316



# Rectangle

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



78.0171, 0.3490, 0.4044



78.0171, 0.2813, 0.3730



78.0171, 0.2737, 0.2622



78.0171, 0.3418, 0.2901

# Sweetspot

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



78.0206, 0.3490, 0.4044



97.9214, 0.3238, 0.3514



51.5966, 0.3748, 0.3409



20.8910, 0.3256, 0.3551



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

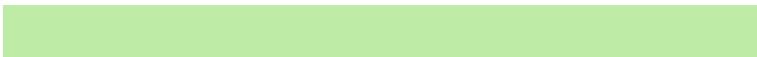
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.0206, 0.3490, 0.4044



92.9235, 0.3559, 0.4196



73.1385, 0.3248, 0.4106



17.4983, 0.3243, 0.3524



39.7603, 0.3915, 0.5274



3.1547, 0.3956, 0.5241



# Inverse Universe

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



42.6081, 0.2691, 0.2453



44.1031, 0.2587, 0.2261



47.0889, 0.2960, 0.2514



14.6643, 0.3005, 0.3048



3.5977, 0.1568, 0.0638

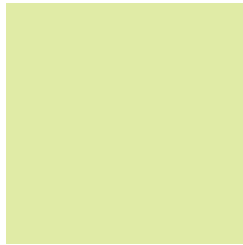


0.3172, 0.1681, 0.0699



# Previews

## White Background



This preview shows how the Yxy color 78.0171, 0.3490, 0.4044 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

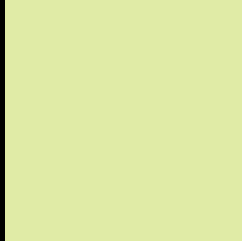
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.0171, 0.3490, 0.4044 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

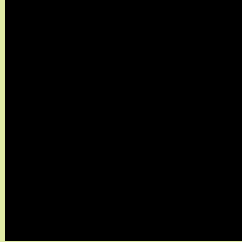
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

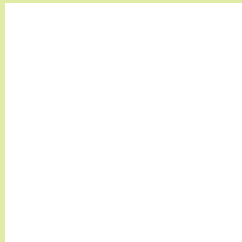
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.0171, 0.3490, 0.4044**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.0171, 0.3490, 0.4044.



This preview shows how white text looks on a background with the Yxy color 78.0171, 0.3490, 0.4044.

# 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

78.0171, 0.3490, 0.4044

### Protanopia

77.7240, 0.3693, 0.3967

### Deuteranopia

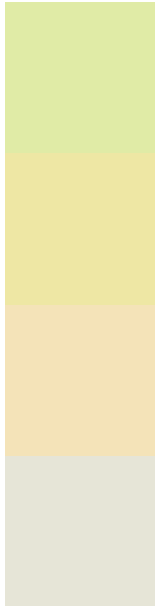
77.9304, 0.3560, 0.3586



## Tritanopia

77.8139, 0.3074, 0.3105

# Trichromacy



**Original Color**

78.0171, 0.3490, 0.4044

**Protanomaly**

78.0093, 0.3617, 0.4000

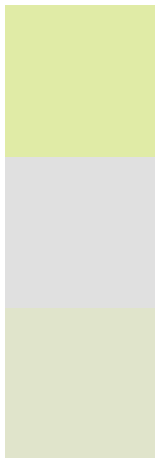
**Deuteranomaly**

77.6320, 0.3538, 0.3741

**Tritanomaly**

77.7679, 0.3224, 0.3439

# Monochromacy



**Original Color**

78.0171, 0.3490, 0.4044

**Achromatopsia**

74.5404, 0.3127, 0.3290

**Achromatomaly**

75.6459, 0.3262, 0.3562

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.0171, 0.3490, 0.4044 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(224, 235, 166)` looks like.

```
.text, #text, p{  
    color:rgb(224, 235, 166)  
}
```

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(224, 235, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 235, 166) }
```

## Border

The CSS property to change the border of an element to Yxy 78.0171, 0.3490, 0.4044 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(224, 235, 166) }
```

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

```
.border{ border-color:rgb(224, 235, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 235, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 235, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 235, 166);  
box-shadow:4px 4px 4px 4px rgb(224, 235,  
166) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.0171, 0.3490, 0.4044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 235, 166) }
```

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

```
.background{ background-color: rgb(224,  
235, 166) }
```

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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