

Converting Colors

$Yxy(77.4830, 0.3486, 0.4023)$

Have a look what the booklet for
Yxy(77.4830, 0.3486, 0.4023)
contains.

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Color

Yxy(77.4830, 0.3486, 0.4023)

Conversions

Conversions Part 1

Format	Color
Hex	E0EAA7
RGB	224, 234, 167
RGB Percent	88%, 92%, 65%
CMY	0.1215, 0.0823, 0.3451
CMYK	0.04, 0.00, 0.29, 0.08
HSL	69°, 61%, 79%
HSV	69°, 29%, 92%
XYZ	67.1404, 77.4830, 47.9767
YIQ	223.3720, 15.5470, -22.9570

Conversions

Conversions Part 2

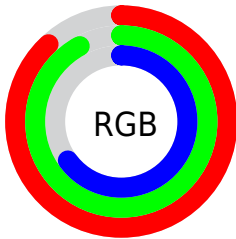
Format	Color
RYB	167, 234, 177
Decimal	14740135
CIELab	90.54, -13.94, 31.51
CIELCh	91, 34.452, 113.868
Yxy	77.4830, 0.3486, 0.4023
Android (android.graphics.Color)	4292930215 (0xFFE0EAA7)
YUV	223.3720, -27.7914, 0.5508
Hunter-Lab	88.0244, -17.8924, 29.3018

Details

The Yxy color **77.4830, 0.3486, 0.4023** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **42.9261, 0.2699, 0.2476**, and the grayscale version is **74.2664, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1077, 0.3315, 0.3601**, and **41.3805, 0.3563, 0.4199** is the 20% darker color. If you saturate the color by 10%, you get **76.1457, 0.3605, 0.4283**, and if you desaturate by 10%, it is **78.9952, 0.3361, 0.3760**.

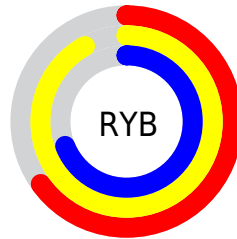
Distribution



Red (88%)

Green (92%)

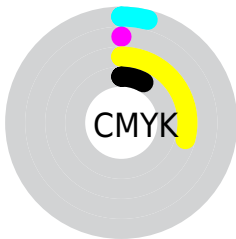
Blue (65%)



Red (65%)

Yellow (92%)

Blue (69%)

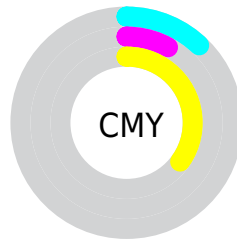


Cyan (4%)

Magenta (0%)

Yellow (29%)

Black (8%)



Cyan (12%)


Magenta (8%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.4830, 0.3486, 0.4023 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 77.4830, 0.3486, 0.4023 by changing the saturation by 10% instead.


 77.4830, 0.3486,
0.4023

 77.4830, 0.3486,
0.4023


486.4093, 0.3329,
0.3681

 57.6494, 0.3519,
0.4101

 129.8211, 0.3433,
0.3904

 41.5268, 0.3559,
0.4198


 163.0943, 0.3412,
0.3858

 28.7310, 0.3606,
0.4319

201.6162, 0.3394,
0.3818

 18.8774, 0.3664,
0.4476

245.7711, 0.3378,
0.3783

 11.5817, 0.3732,
0.4686

295.9435, 0.3363,
0.3753

 6.4595, 0.3810,
0.4976

352.5177, 0.3351,

 3.1265, 0.3983,

0.3726

0.5533

415.8782, 0.3339,
0.3702

■ 1.1981, 0.3910,
0.6090

■ 0.0602, 0.0000,
1.0000

■ 77.4830, 0.3486,
0.4023

■ 77.4830, 0.3486,
0.4023

■ 76.1457, 0.3605,
0.4283

■ 78.9952, 0.3361,
0.3760

■ 74.9645, 0.3713,
0.4530

■ 80.6799, 0.3234,
0.3503


■ 73.9335, 0.3805,
0.4754


■ 82.5479, 0.3110,
0.3257

■ 73.0424, 0.3874,
0.4944

■ 84.2398, 0.3025,
0.3080


 72.2794, 0.3918,
0.5093


 84.8498, 0.3048,
0.3082

 71.6305, 0.3936,
0.5195


 85.4716, 0.3070,
0.3083

 71.0754, 0.3930,
0.5256

 86.1053, 0.3093,
0.3085

 71.0029, 0.3929,
0.5263

 86.7508, 0.3116,
0.3086

 87.3276, 0.3137,
0.3088

Harmonies

Analogous

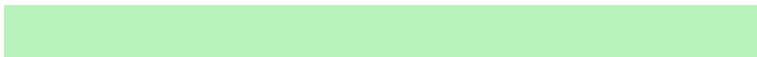
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.4830, 0.3803, 0.3907



77.4830, 0.3486, 0.4023



77.4830, 0.3085, 0.3915

Triad

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



77.4830, 0.3486, 0.4023



77.4830, 0.2376, 0.2864



77.4830, 0.3536, 0.2998

Complementary

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



77.4830, 0.3486, 0.4023



42.9261, 0.2699, 0.2476

Split Complementary

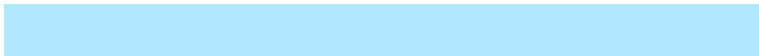
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.4830, 0.3128, 0.2758



77.4830, 0.3486, 0.4023



77.4830, 0.2477, 0.2669

Square

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



77.4830, 0.3486, 0.4023



77.4830, 0.2458, 0.3201



77.4830, 0.2743, 0.2638



77.4830, 0.3842, 0.3312

Rectangle

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



77.4830, 0.3486, 0.4023



77.4830, 0.2827, 0.3722



77.4830, 0.2743, 0.2638



77.4830, 0.3405, 0.2908

Sweetspot

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



77.4865, 0.3486, 0.4023



97.9655, 0.3240, 0.3514



51.3089, 0.3731, 0.3393



20.9019, 0.3258, 0.3551



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

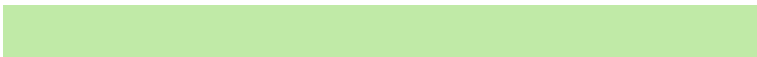
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.4865, 0.3486, 0.4023



93.2474, 0.3553, 0.4168



72.7881, 0.3253, 0.4081



17.5065, 0.3245, 0.3524



39.9423, 0.3933, 0.5259



3.1674, 0.3971, 0.5229

Inverse Universe

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



42.9261, 0.2699, 0.2476



45.1881, 0.2599, 0.2293



47.1984, 0.2956, 0.2533



14.6567, 0.3003, 0.3048



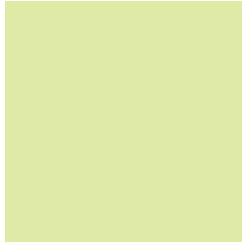
3.5714, 0.1562, 0.0634



0.3137, 0.1669, 0.0693

Previews

White Background



This preview shows how the Yxy color 77.4830, 0.3486, 0.4023 looks on a white background.

Color Contrast Check

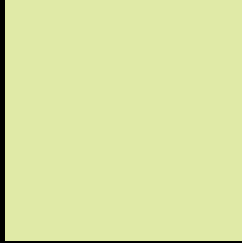
Large Text (above 18pt) WCAG AA × Fail

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 77.4830, 0.3486, 0.4023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

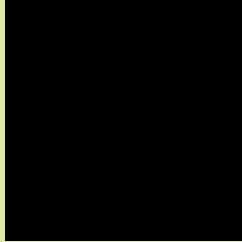
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.4830, 0.3486, 0.4023

Background



This preview shows how black text looks on a background with the Yxy color 77.4830, 0.3486, 0.4023.

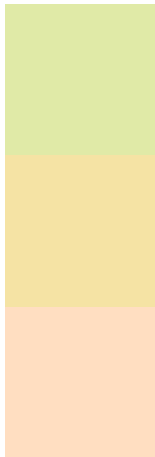


This preview shows how white text looks on a background with the Yxy color 77.4830, 0.3486, 0.4023.

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

77.4830, 0.3486, 0.4023

Protanopia

77.0310, 0.3682, 0.3949

Deuteranopia

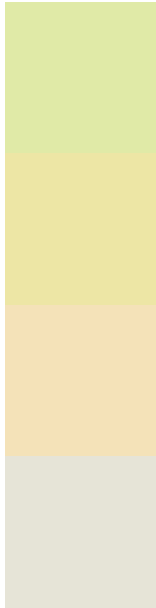
77.3528, 0.3570, 0.3587



Tritanopia

77.2145, 0.3081, 0.3105

Trichromacy



Original Color

77.4830, 0.3486, 0.4023

Protanomaly

77.3148, 0.3606, 0.3982

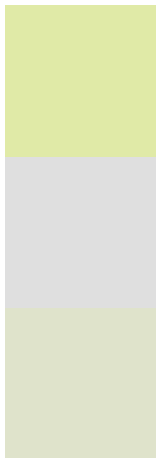
Deuteranomaly

77.0865, 0.3541, 0.3731

Tritanomaly

77.2161, 0.3225, 0.3428

Monochromacy



Original Color

77.4830, 0.3486, 0.4023

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

74.9379, 0.3256, 0.3552

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.4830, 0.3486, 0.4023 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, 234, 167)` looks like.

```
.text, #text, p{  
    color:rgb(224, 234, 167)  
}
```

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, 234, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 234, 167) }
```

Border

The CSS property to change the border of an element to Yxy 77.4830, 0.3486, 0.4023 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, 234, 167) }
```

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

```
.border{ border-color:rgb(224, 234, 167) }
```

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

Here you see how a box with a 4 pixel rgb(224, 234, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 234, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 234, 167);  
box-shadow:4px 4px 4px 4px rgb(224, 234,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 77.4830, 0.3486, 0.4023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 234, 167) }
```

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

```
.background{ background-color: rgb(224,  
234, 167) }
```

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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