

Converting Colors

$Yxy(77.8178, 0.3372, 0.3797)$

Have a look what the booklet for
Yxy(77.8178, 0.3372, 0.3797)
contains.

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Color

Yxy(77.8305, 0.3373, 0.3802)

Conversions

Conversions Part 1

Format	Color
Hex	E1E9BA
RGB	225, 233, 186
RGB Percent	88%, 91%, 73%
CMY	0.1177, 0.0862, 0.2706
CMYK	0.03, 0.00, 0.20, 0.09
HSL	70°, 52%, 82%
HSV	70°, 20%, 91%
XYZ	69.0485, 77.8305, 57.8304
YIQ	225.2500, 10.3190, -16.3130

Conversions

Conversions Part 2

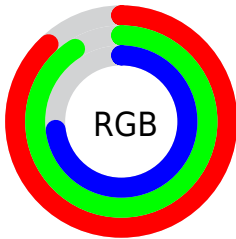
Format	Color
R _Y B	186, 233, 194
Decimal	14805434
CIE Lab	90.70, -10.45, 22.00
CIE LCh	91, 24.356, 115.398
Yxy	77.8305, 0.3373, 0.3802
Android (android.graphics.Color)	4292995514 (0xFFE1E9BA)
YUV	225.2500, -19.3502, -0.2193
Hunter-Lab	88.2216, -14.6811, 22.8898

Details

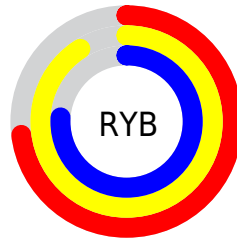
The Yxy color **77.8305, 0.3373, 0.3802** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **52.4680, 0.2849, 0.2742**, and the grayscale version is **75.6203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1908, 0.3203, 0.3415**, and **41.5728, 0.3420, 0.3915** is the 20% darker color. If you saturate the color by 10%, you get **76.2907, 0.3494, 0.4066**, and if you desaturate by 10%, it is **79.5537, 0.3250, 0.3543**.

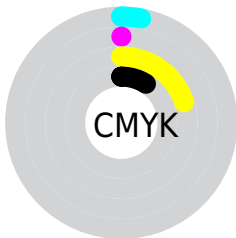
Distribution



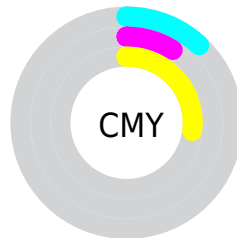
- Red (88%)
- Green (91%)
- Blue (73%)



- Red (73%)
- Yellow (91%)
- Blue (76%)



- Cyan (3%)
- Magenta (0%)
- Yellow (20%)
- Black (9%)



- Cyan (12%)
- Magenta (9%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.8305, 0.3373, 0.3802 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 77.8305, 0.3373, 0.3802 by changing the saturation by 10% instead.

■ 77.8305, 0.3373,
0.3802

■ 77.8305, 0.3373,
0.3802

487.5910, 0.3263,
0.3564

■ 57.9348, 0.3397,
0.3857

■ 130.3112, 0.3336,
0.3719

■ 41.7562, 0.3426,
0.3924

163.6648, 0.3321,
0.3687

■ 28.9104, 0.3461,
0.4010

202.2733, 0.3308,
0.3659

■ 19.0131, 0.3506,
0.4121

246.5209, 0.3297,
0.3635

■ 11.6797, 0.3562,
0.4273

296.7921, 0.3287,
0.3614

■ 6.5260, 0.3636,
0.4488


353.4713, 0.3278,


■ 3.1675, 0.3729,


0.3595

0.4816


416.9428, 0.3271,
0.3579


 1.2198, 0.4167,
0.5833


 0.0778, 0.0000,
1.0000

 77.8305, 0.3373,
0.3802


 77.8305, 0.3373,
0.3802

 76.2907, 0.3494,
0.4066

 79.5537, 0.3250,
0.3543


 74.9160, 0.3608,
0.4328


 81.4573, 0.3129,
0.3294

 73.7013, 0.3710,
0.4575


 83.4941, 0.3018,
0.3070


 72.6372, 0.3794,
0.4799


 84.1860, 0.3044,
0.3072


 71.7132, 0.3856,
0.4988


 84.8932, 0.3070,
0.3073


 70.9174, 0.3892,
0.5134

 85.6157, 0.3096,
0.3075

 70.2356, 0.3902,
0.5234

 86.3536, 0.3123,
0.3077

 69.6533, 0.3890,
0.5293

 86.7640, 0.3137,
0.3078

Harmonies

Analogous

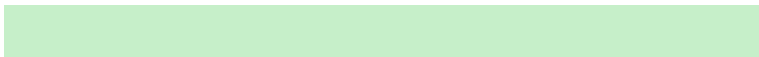
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8305, 0.3599, 0.3739



77.8305, 0.3373, 0.3802



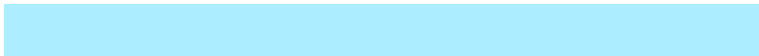
77.8305, 0.3088, 0.3714

Triad

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



77.8305, 0.3373, 0.3802



77.8305, 0.2587, 0.2983



77.8305, 0.3431, 0.3093

Complementary

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



77.8305, 0.3373, 0.3802



52.4680, 0.2849, 0.2742

Split Complementary

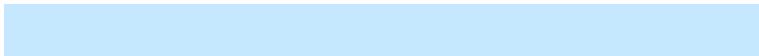
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.8305, 0.3146, 0.2912



77.8305, 0.3373, 0.3802



77.8305, 0.2668, 0.2843

Square

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



77.8305, 0.3373, 0.3802



77.8305, 0.2642, 0.3220



77.8305, 0.2868, 0.2821



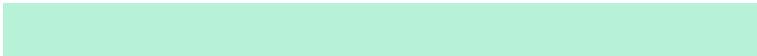
77.8305, 0.3636, 0.3325

Rectangle

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



77.8305, 0.3373, 0.3802



77.8305, 0.2904, 0.3578



77.8305, 0.2868, 0.2821



77.8305, 0.3340, 0.3025

Sweetspot

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



77.8339, 0.3373, 0.3802



98.5615, 0.3200, 0.3438



59.3761, 0.3512, 0.3378



21.0638, 0.3208, 0.3454



0.0000, 0.0000, 0.0000



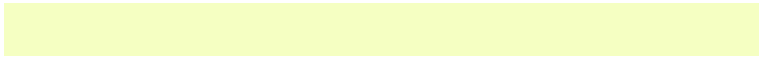
21.4041, 0.3127, 0.3290

Same Dimension

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



77.8339, 0.3373, 0.3802



94.7385, 0.3421, 0.3906



74.3383, 0.3208, 0.3829



17.4894, 0.3242, 0.3525



39.5663, 0.3895, 0.5289



3.1412, 0.3939, 0.5254

Inverse Universe

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



52.4680, 0.2849, 0.2742



58.5867, 0.2786, 0.2621



55.8002, 0.3027, 0.2770



14.6725, 0.3006, 0.3048



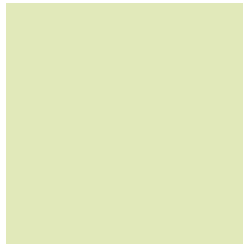
3.6280, 0.1576, 0.0642



0.3211, 0.1693, 0.0706

Previews

White Background



This preview shows how the Yxy color 77.8305, 0.3373, 0.3802 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 77.8305, 0.3373, 0.3802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

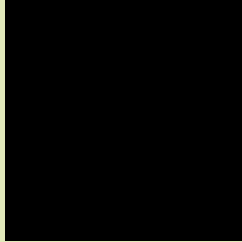
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

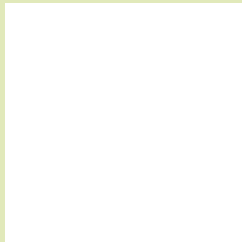
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.8305, 0.3373, 0.3802

Background



This preview shows how black text looks on a background with the Yxy color 77.8305, 0.3373, 0.3802.

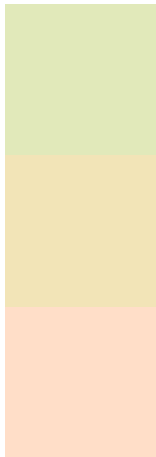


This preview shows how white text looks on a background with the Yxy color 77.8305, 0.3373, 0.3802.

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

77.8305, 0.3373, 0.3802

Protanopia

77.7829, 0.3528, 0.3764

Deuteranopia

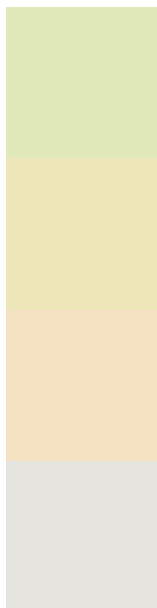
77.6727, 0.3520, 0.3515



Tritanopia

77.6451, 0.3067, 0.3105

Trichromacy



Original Color

77.8305, 0.3373, 0.3802

Protanomaly

77.8872, 0.3472, 0.3780

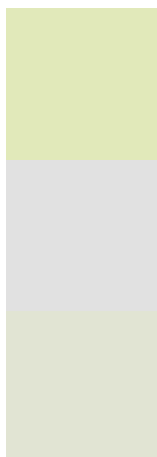
Deuteranomaly

77.5659, 0.3465, 0.3614

Tritanomaly

77.5837, 0.3180, 0.3354

Monochromacy



Original Color

77.8305, 0.3373, 0.3802

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

76.1975, 0.3216, 0.3474

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8305, 0.3373, 0.3802 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(225, 233, 186)` looks like.

```
.text, #text, p{  
    color:rgb(225, 233, 186)  
}
```

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(225, 233, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 233, 186) }
```

Border

The CSS property to change the border of an element to Yxy 77.8305, 0.3373, 0.3802 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(225, 233, 186) }
```

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

```
.border{ border-color:rgb(225, 233, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 233, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 233, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 233, 186);  
box-shadow:4px 4px 4px 4px rgb(225, 233,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 77.8305, 0.3373, 0.3802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 233, 186) }
```

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

```
.background{ background-color: rgb(225,  
233, 186) }
```

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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