

Converting Colors

$Yxy(77.4608, 0.3280, 0.3641)$

Have a look what the booklet for
Yxy(77.4608, 0.3280, 0.3641)
contains.

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Color

Yxy(77.6840, 0.3283, 0.3648)

Conversions

Conversions Part 1

Format	Color
Hex	E0E8C7
RGB	224, 232, 199
RGB Percent	88%, 91%, 78%
CMY	0.1215, 0.0902, 0.2195
CMYK	0.03, 0.00, 0.14, 0.09
HSL	75°, 42%, 85%
HSV	75°, 14%, 91%
XYZ	69.9113, 77.6840, 65.3542
YIQ	225.8460, 5.8250, -11.9590

Conversions

Conversions Part 2

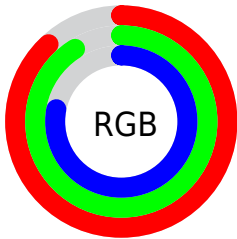
Format	Color
RYB	199, 232, 207
Decimal	14739655
CIELab	90.64, -8.29, 15.15
CIElCh	91, 17.268, 118.701
Yxy	77.6840, 0.3283, 0.3648
Android (android.graphics.Color)	4292929735 (0xFFE0E8C7)
YUV	225.8460, -13.2351, -1.6189
Hunter-Lab	88.1385, -12.6565, 17.7338

Details

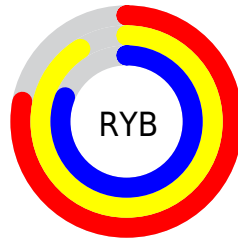
The Yxy color **77.6840, 0.3283, 0.3648** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **59.9485, 0.2957, 0.2919**, and the grayscale version is **76.0350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.5300, 0.3322, 0.3729** is the 20% darker color. If you saturate the color by 10%, you get **75.8078, 0.3393, 0.3914**, and if you desaturate by 10%, it is **79.7609, 0.3173, 0.3393**.

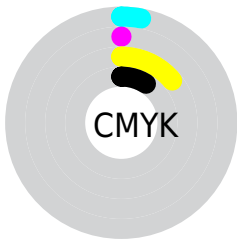
Distribution



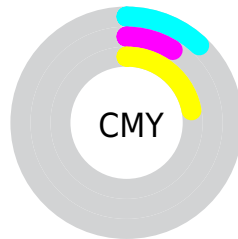
- Red (88%)
- Green (91%)
- Blue (78%)



- Red (78%)
- Yellow (91%)
- Blue (81%)



- Cyan (3%)
- Magenta (0%)
- Yellow (14%)
- Black (9%)



- Cyan (12%)
- Magenta (9%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.6840, 0.3283, 0.3648 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 77.6840, 0.3283, 0.3648 by changing the saturation by 10% instead.

■ 77.6840, 0.3283,
0.3648

■ 77.6840, 0.3283,
0.3648

487.0930, 0.3213,
0.3482

■ 57.8144, 0.3298,
0.3686

130.1046, 0.3259,
0.3590

■ 41.6595, 0.3317,
0.3733

163.4244, 0.3250,
0.3568

■ 28.8347, 0.3341,
0.3793

201.9963, 0.3242,
0.3548

■ 18.9558, 0.3370,
0.3872

246.2049, 0.3234,
0.3532

■ 11.6384, 0.3409,
0.3978

296.4345, 0.3228,
0.3517

■ 6.4979, 0.3462,
0.4133

353.0694, 0.3223,

■ 3.1502, 0.3535,

0.3504

0.4373

416.4941, 0.3218,
0.3492

■ 1.2106, 0.3906,
0.5146

■ 0.0704, 0.0000,
1.0000

■ 77.6840, 0.3283,
0.3648

■ 77.6840, 0.3283,
0.3648

■ 75.8078, 0.3393,
0.3914

■ 79.7609, 0.3173,
0.3393

■ 74.1145, 0.3499,
0.4185

■ 82.0356, 0.3066,
0.3154


■ 72.5991, 0.3595,
0.4452


■ 83.6096, 0.3044,
0.3061


■ 71.2527, 0.3678,
0.4704

■ 84.6124, 0.3081,
0.3064


 70.0654, 0.3740,
0.4929


 85.6460, 0.3118,
0.3067

 69.0262, 0.3779,
0.5117

 86.1929, 0.3138,
0.3068

 68.1222, 0.3793,
0.5259

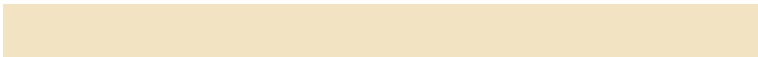
 67.3379, 0.3780,
0.5354

 66.9249, 0.3765,
0.5393

Harmonies

Analogous

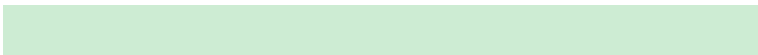
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.6840, 0.3449, 0.3619



77.6840, 0.3283, 0.3648



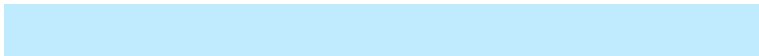
77.6840, 0.3079, 0.3573

Triad

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



77.6840, 0.3283, 0.3648



77.6840, 0.2741, 0.3060



77.6840, 0.3362, 0.3167

Complementary

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



77.6840, 0.3283, 0.3648



59.9485, 0.2957, 0.2919

Split Complementary

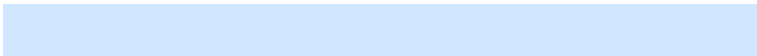
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.6840, 0.3166, 0.3029



77.6840, 0.3283, 0.3648



77.6840, 0.2810, 0.2964

Square

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



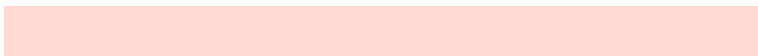
77.6840, 0.3283, 0.3648



77.6840, 0.2771, 0.3223



77.6840, 0.2964, 0.2955



77.6840, 0.3497, 0.3338

Rectangle

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



77.6840, 0.3283, 0.3648



77.6840, 0.2950, 0.3473



77.6840, 0.2964, 0.2955



77.6840, 0.3301, 0.3116

Sweetspot

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



77.6874, 0.3283, 0.3648



98.8951, 0.3171, 0.3388



65.7683, 0.3378, 0.3375



21.1241, 0.3179, 0.3407



0.0000, 0.0000, 0.0000



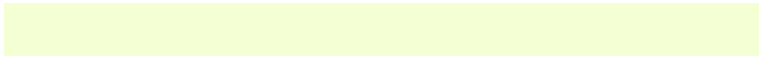
21.4041, 0.3127, 0.3290

Same Dimension

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



77.6874, 0.3283, 0.3648



95.5798, 0.3315, 0.3724



75.2205, 0.3170, 0.3661



16.6323, 0.3230, 0.3525



37.2155, 0.3772, 0.5387



2.7923, 0.3836, 0.5336

Inverse Universe

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



59.9485, 0.2957, 0.2919



69.6843, 0.2918, 0.2837



62.4032, 0.3077, 0.2932



14.0547, 0.3018, 0.3050



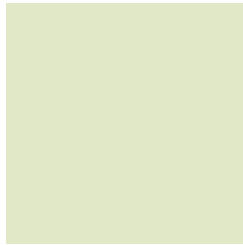
3.7525, 0.1639, 0.0676



0.3197, 0.1784, 0.0756

Previews

White Background



This preview shows how the Yxy color 77.6840, 0.3283, 0.3648 looks on a white background.

Color Contrast Check

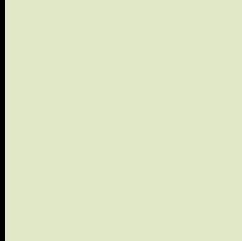
Large Text (above 18pt) WCAG AA × Fail

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 77.6840, 0.3283, 0.3648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

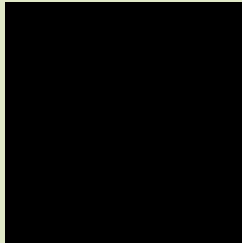
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

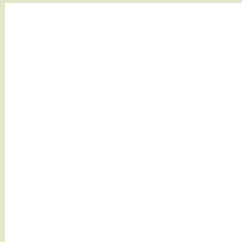
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.6840, 0.3283, 0.3648

Background



This preview shows how black text looks on a background with the Yxy color 77.6840, 0.3283, 0.3648.

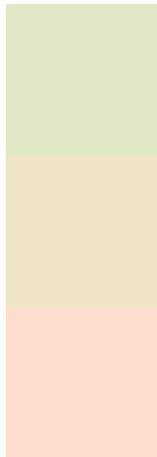


This preview shows how white text looks on a background with the Yxy color 77.6840, 0.3283, 0.3648.

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

77.6840, 0.3283, 0.3648

Protanopia

77.3201, 0.3412, 0.3607

Deuteranopia

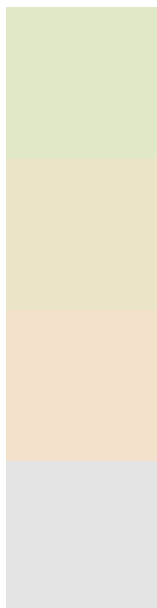
77.4291, 0.3479, 0.3443



Tritanopia

77.7474, 0.3040, 0.3104

Trichromacy



Original Color

77.6840, 0.3283, 0.3648

Protanomaly

77.6083, 0.3366, 0.3621

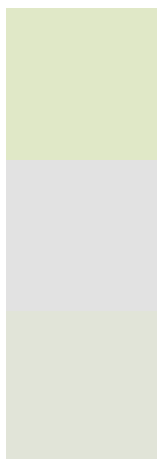
Deuteranomaly

77.3953, 0.3411, 0.3520

Tritanomaly

77.5822, 0.3127, 0.3290

Monochromacy



Original Color

77.6840, 0.3283, 0.3648

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.4522, 0.3184, 0.3419

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.6840, 0.3283, 0.3648 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, 232, 199)` looks like.

```
.text, #text, p{  
    color:rgb(224, 232, 199)  
}
```

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, 232, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 232, 199) }
```

Border

The CSS property to change the border of an element to Yxy 77.6840, 0.3283, 0.3648 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, 232, 199) }
```

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

```
.border{ border-color:rgb(224, 232, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 232, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 232, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 232, 199);  
box-shadow:4px 4px 4px 4px rgb(224, 232,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 77.6840, 0.3283, 0.3648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 232, 199) }
```

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

```
.background{ background-color: rgb(224,  
232, 199) }
```

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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