

Converting Colors

$Yxy(77.0864, 0.3395, 0.3576)$

Have a look what the booklet for
Yxy(77.0864, 0.3395, 0.3576)
contains.

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Color

Yxy(76.8670, 0.3400, 0.3575)

Conversions

Conversions Part 1

Format	Color
Hex	EFE2C7
RGB	239, 226, 199
RGB Percent	94%, 89%, 78%
CMY	0.0628, 0.1137, 0.2194
CMYK	0.00, 0.05, 0.17, 0.06
HSL	40°, 56%, 86%
HSV	40°, 17%, 94%
XYZ	73.1043, 76.8670, 65.0413
YIQ	226.8090, 16.4150, -5.6410

Conversions

Conversions Part 2

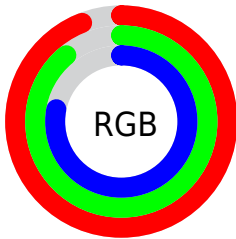
Format	Color
R _Y B	218, 239, 199
Decimal	15721159
CIE Lab	90.26, 0.09, 14.77
CIE LCh	90, 14.770, 89.639
Yxy	76.8670, 0.3400, 0.3575
Android (android.graphics.Color)	4293911239 (0xFFEFE2C7)
YUV	226.8090, -13.7098, 10.6915
Hunter-Lab	87.6738, -4.5921, 17.3871

Details

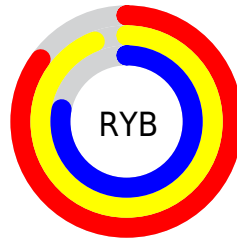
The Yxy color **76.8670, 0.3400, 0.3575** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **65.4835, 0.2861, 0.2988**, and the grayscale version is **76.7660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.2374, 0.3466, 0.3645** is the 20% darker color. If you saturate the color by 10%, you get **71.7144, 0.3584, 0.3754**, and if you desaturate by 10%, it is **82.3924, 0.3231, 0.3402**.

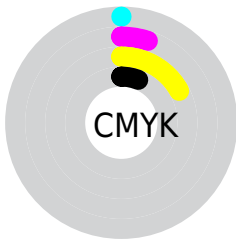
Distribution



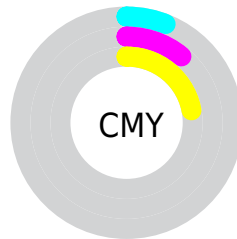
- Red (94%)
- Green (89%)
- Blue (78%)



- Red (85%)
- Yellow (94%)
- Blue (78%)



- Cyan (0%)
- Magenta (5%)
- Yellow (17%)
- Black (6%)




- Cyan (6%)
- Magenta (11%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.8670, 0.3400, 0.3575 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 76.8670, 0.3400, 0.3575 by changing the saturation by 10% instead.


 76.8670, 0.3400,
0.3575

 76.8670, 0.3400,
0.3575


484.3104, 0.3275,
0.3445

 57.1437, 0.3428,
0.3604


128.9517, 0.3357,
0.3530

 41.1206, 0.3463,
0.3641


162.0820, 0.3340,
0.3512

 28.4134, 0.3507,
0.3686


200.4500, 0.3326,
0.3497

 18.6375, 0.3563,
0.3745

244.4401, 0.3313,
0.3484

 11.4086, 0.3639,
0.3824

294.4369, 0.3302,
0.3472

 6.3424, 0.3746,
0.3936

350.8246, 0.3292,

 3.0544, 0.3907,

0.3462

0.4103

413.9876, 0.3283,
0.3453

■ 1.1602, 0.4476,
0.4697

■ 0.0288, 0.5072,
0.4928

■ 76.8670, 0.3400,
0.3575

■ 76.8670, 0.3400,
0.3575

■ 71.7144, 0.3584,
0.3754

■ 82.3924, 0.3231,
0.3402

■ 66.9136, 0.3782,
0.3932

■ 88.2904, 0.3079,
0.3237

■ 62.4569, 0.3989,
0.4103

■ 93.5182, 0.3030,
0.3234

■ 58.3320, 0.4200,
0.4256

■ 97.0900, 0.3029,
0.3290

■ 54.5256, 0.4404,
0.4380

■ 51.0231, 0.4593,
0.4464

■ 47.8076, 0.4756,
0.4500

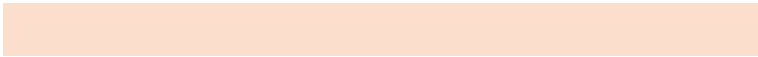
■ 44.8584, 0.4886,
0.4484

■ 43.9384, 0.4925,
0.4472

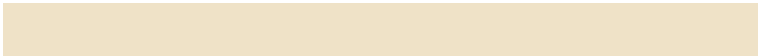
Harmonies

Analogous

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



76.8670, 0.3471, 0.3479



76.8670, 0.3400, 0.3575



76.8670, 0.3256, 0.3595

Triad

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



76.8670, 0.3400, 0.3575



76.8670, 0.2818, 0.3229



76.8670, 0.3166, 0.3068

Complementary

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



76.8670, 0.3400, 0.3575



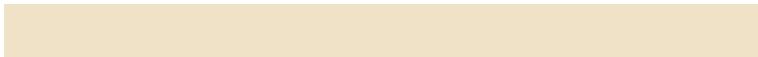
65.4835, 0.2861, 0.2988

Split Complementary

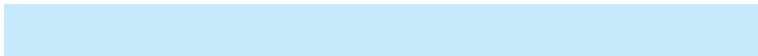
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.8670, 0.2992, 0.3002



76.8670, 0.3400, 0.3575



76.8670, 0.2795, 0.3089

Square

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



76.8670, 0.3400, 0.3575



76.8670, 0.2922, 0.3391



76.8670, 0.2858, 0.3009



76.8670, 0.3334, 0.3189

Rectangle

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



76.8670, 0.3400, 0.3575



76.8670, 0.3140, 0.3560



76.8670, 0.2858, 0.3009



76.8670, 0.3107, 0.3039

Sweetspot

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



76.8704, 0.3400, 0.3575



96.5891, 0.3204, 0.3373



63.9879, 0.3344, 0.3148



20.5733, 0.3215, 0.3385



0.0000, 0.0000, 0.0000



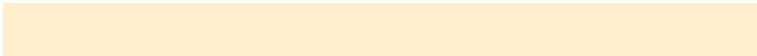
21.4041, 0.3127, 0.3290

Same Dimension

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



76.8704, 0.3400, 0.3575



87.0115, 0.3460, 0.3635



83.0682, 0.3332, 0.3712



17.5421, 0.3276, 0.3449



24.5311, 0.4910, 0.4483



2.2208, 0.4792, 0.4577

Inverse Universe

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



65.4835, 0.2861, 0.2988



71.5506, 0.2803, 0.2920



60.1771, 0.2901, 0.2844



16.0680, 0.2980, 0.3126



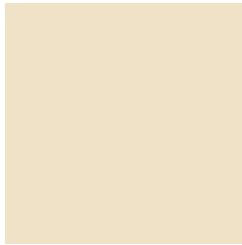
6.6444, 0.1628, 0.1059



0.7270, 0.1700, 0.1320

Previews

White Background



This preview shows how the Yxy color 76.8670, 0.3400, 0.3575 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 76.8670, 0.3400, 0.3575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

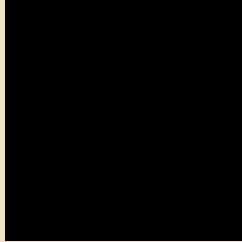
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.8670, 0.3400, 0.3575

Background



This preview shows how black text looks on a background with the Yxy color 76.8670, 0.3400, 0.3575.

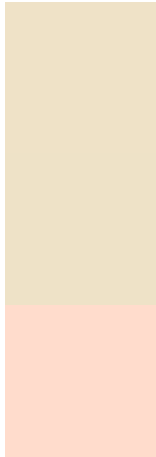


This preview shows how white text looks on a background with the Yxy color 76.8670, 0.3400, 0.3575.

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

76.8670, 0.3400, 0.3575

Protanopia

76.6934, 0.3393, 0.3576

Deuteranopia

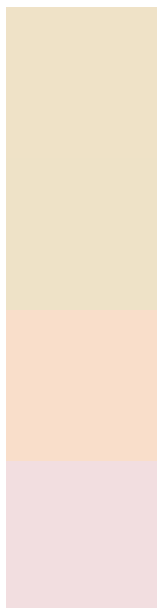
76.8060, 0.3495, 0.3454



Tritanopia

76.5925, 0.3178, 0.3108

Trichromacy



Original Color

76.8670, 0.3400, 0.3575

Protanomaly

76.6934, 0.3393, 0.3576

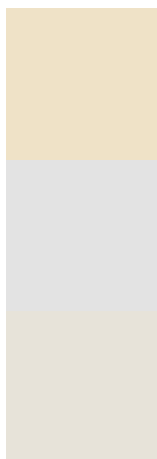
Deuteranomaly

76.6466, 0.3461, 0.3497

Tritanomaly

76.5016, 0.3257, 0.3270

Monochromacy



Original Color

76.8670, 0.3400, 0.3575

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

76.9368, 0.3220, 0.3396

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.8670, 0.3400, 0.3575 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(239, 226, 199)` looks like.

```
.text, #text, p{  
    color:rgb(239, 226, 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(239, 226, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 226, 199) }
```

Border

The CSS property to change the border of an element to Yxy 76.8670, 0.3400, 0.3575 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(239, 226, 199) }
```

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

```
.border{ border-color:rgb(239, 226, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 226, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 226, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 226, 199);  
box-shadow:4px 4px 4px 4px rgb(239, 226,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 76.8670, 0.3400, 0.3575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 226, 199) }
```

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

```
.background{ background-color: rgb(239,  
226, 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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