

Converting Colors

$Yxy(80.4239, 0.3691, 0.3901)$

Have a look what the booklet for
Yxy(80.4239, 0.3691, 0.3901)
contains.

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Color

Yxy(80.3786, 0.3693, 0.3902)

Conversions

Conversions Part 1

Format	Color
Hex	FDE6AA
RGB	253, 230, 170
RGB Percent	99%, 90%, 67%
CMY	0.0077, 0.0981, 0.3333
CMYK	0.00, 0.09, 0.33, 0.01
HSL	43°, 96%, 83%
HSV	43°, 33%, 99%
XYZ	76.0733, 80.3786, 49.5414
YIQ	230.0370, 32.9680, -13.7840

Conversions

Conversions Part 2

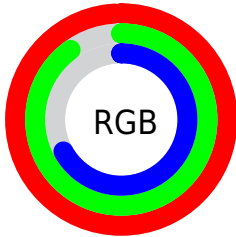
Format	Color
R _Y B	202, 253, 170
Decimal	16639658
CIE Lab	91.85, -0.66, 32.13
CIE LCh	92, 32.136, 91.174
Yxy	80.3786, 0.3693, 0.3902
Android (android.graphics.Color)	4294829738 (0xFFFDE6AA)
YUV	230.0370, -29.5982, 20.1386
Hunter-Lab	89.6541, -5.4338, 29.9952

Details

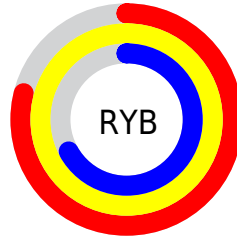
The Yxy color **80.3786, 0.3693, 0.3902** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **53.8121, 0.2570, 0.2590**, and the grayscale version is **79.3708, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2710, 0.3298, 0.3572**, and **43.5464, 0.3812, 0.4045** is the 20% darker color. If you saturate the color by 10%, you get **75.6830, 0.3888, 0.4087**, and if you desaturate by 10%, it is **85.4235, 0.3506, 0.3711**.

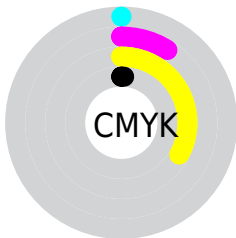
Distribution



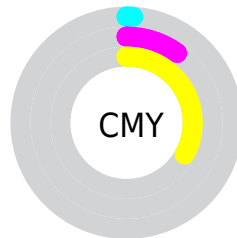
- Red (99%)
- Green (90%)
- Blue (67%)



- Red (79%)
- Yellow (99%)
- Blue (67%)



- Cyan (0%)
- Magenta (9%)
- Yellow (33%)
- Black (1%)




- Cyan (1%)
- Magenta (10%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.3786, 0.3693, 0.3902 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 80.3786, 0.3693, 0.3902 by changing the saturation by 10% instead.


 80.3786, 0.3693,
0.3902

 80.3786, 0.3693,
0.3902

496.2078, 0.3439,
0.3626

 60.0300, 0.3748,
0.3962


 133.8979, 0.3607,
0.3808

 43.4428, 0.3816,
0.4035


167.8373, 0.3573,
0.3771

 30.2327, 0.3898,
0.4125


207.0758, 0.3543,
0.3739

 20.0153, 0.4001,
0.4238

251.9977, 0.3517,
0.3711

 12.4061, 0.4132,
0.4382

302.9875, 0.3494,
0.3686

 7.0209, 0.4300,
0.4568

360.4295, 0.3474,

 3.4752, 0.4579,

0.3664

0.4876

424.7082, 0.3455,
0.3644

■ 1.3846, 0.4832,
0.5168

■ 0.2053, 0.4659,
0.5341

■ 80.3786, 0.3693,
0.3902

■ 80.3786, 0.3693,
0.3902

■ 75.6830, 0.3888,
0.4087

■ 85.4235, 0.3506,
0.3711

■ 71.3132, 0.4085,
0.4258

■ 90.8182, 0.3331,
0.3522

■ 67.2594, 0.4277,
0.4404

■ 96.5772, 0.3170,
0.3340

■ 63.5065, 0.4454,
0.4512

■ 99.6309, 0.3115,
0.3290

■ 60.0374, 0.4607,
0.4575

■ 56.8317, 0.4729,
0.4588

■ 54.6698, 0.4800,
0.4571

Harmonies

Analogous

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



80.3786, 0.3864, 0.3684



80.3786, 0.3693, 0.3902



80.3786, 0.3373, 0.3959

Triad

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



80.3786, 0.3693, 0.3902



80.3786, 0.2474, 0.3125



80.3786, 0.3223, 0.2842

Complementary

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



80.3786, 0.3693, 0.3902



53.8121, 0.2570, 0.2590

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.



80.3786, 0.2852, 0.2701



80.3786, 0.3693, 0.3902



80.3786, 0.2439, 0.2840

Square

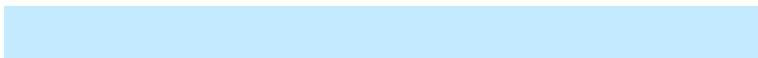
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.3786, 0.3693, 0.3902



80.3786, 0.2674, 0.3488



80.3786, 0.2572, 0.2695



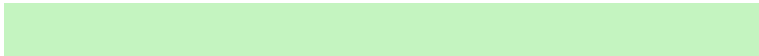
80.3786, 0.3586, 0.3088

Rectangle

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



80.3786, 0.3693, 0.3902



80.3786, 0.3124, 0.3881



80.3786, 0.2572, 0.2695



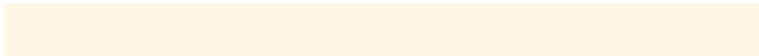
80.3786, 0.3094, 0.2782

Sweetspot

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



80.3823, 0.3693, 0.3902



94.0307, 0.3284, 0.3470



53.5201, 0.3674, 0.3044



19.9533, 0.3307, 0.3496



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

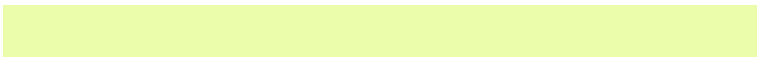
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.3823, 0.3693, 0.3902



78.7956, 0.3813, 0.4018



90.8526, 0.3500, 0.4147



20.1878, 0.3276, 0.3461



29.3287, 0.4788, 0.4580



3.0395, 0.4704, 0.4647

Inverse Universe

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



53.8121, 0.2570, 0.2590



48.1771, 0.2455, 0.2431



46.5414, 0.2662, 0.2344



18.1986, 0.2979, 0.3113



6.3280, 0.1595, 0.0943



0.7903, 0.1655, 0.1158

Previews

White Background



This preview shows how the Yxy color 80.3786, 0.3693, 0.3902 looks on a white background.

Color Contrast Check

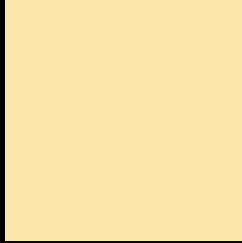
Large Text (above 18pt) WCAG AA × Fail

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 80.3786, 0.3693, 0.3902 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 80.3786, 0.3693, 0.3902

Background



This preview shows how black text looks on a background with the Yxy color 80.3786, 0.3693, 0.3902.

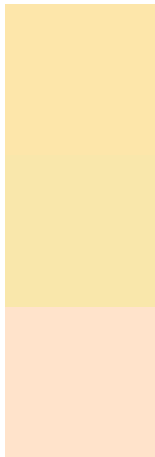


This preview shows how white text looks on a background with the Yxy color 80.3786, 0.3693, 0.3902.

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

80.3786, 0.3693, 0.3902

Protanopia

80.2318, 0.3653, 0.3908

Deuteranopia

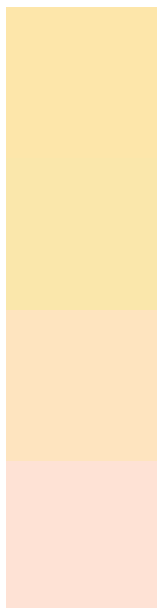
80.5100, 0.3489, 0.3533



Tritanopia

80.1498, 0.3261, 0.3152

Trichromacy



Original Color

80.3786, 0.3693, 0.3902

Protanomaly

80.4161, 0.3661, 0.3907

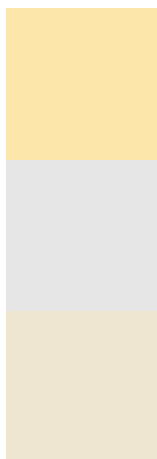
Deuteranomaly

80.3192, 0.3562, 0.3667

Tritanomaly

80.2676, 0.3414, 0.3422

Monochromacy



Original Color

80.3786, 0.3693, 0.3902

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.3248, 0.3326, 0.3521

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3786, 0.3693, 0.3902 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(253, 230, 170)` looks like.

```
.text, #text, p{  
    color:rgb(253, 230, 170)  
}
```

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(253, 230, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 230, 170) }
```

Border

The CSS property to change the border of an element to Yxy 80.3786, 0.3693, 0.3902 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(253, 230, 170) }
```

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

```
.border{ border-color:rgb(253, 230, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 230, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 230, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 230, 170);  
box-shadow:4px 4px 4px 4px rgb(253, 230,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3786, 0.3693, 0.3902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 230, 170) }
```

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

```
.background{ background-color: rgb(253,  
230, 170) }
```

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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