

Converting Colors

$Yxy(80.7044, 0.3820, 0.4060)$

Have a look what the booklet for
Yxy(80.7044, 0.3820, 0.4060)
contains.

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Color

Yxy(80.7449, 0.3810, 0.4066)

Conversions

Conversions Part 1

Format	Color
Hex	FFE79A
RGB	255, 231, 154
RGB Percent	100%, 91%, 60%
CMY	0.0000, 0.0942, 0.3960
CMYK	0.00, 0.09, 0.40, 0.00
HSL	46°, 100%, 80%
HSV	46°, 40%, 100%
XYZ	75.6611, 80.7449, 42.1796
YIQ	229.3980, 39.0210, -18.8590

Conversions

Conversions Part 2

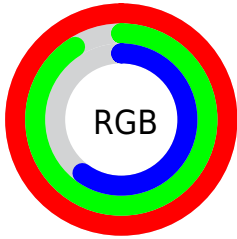
Format	Color
R _Y B	185, 255, 154
Decimal	16770970
CIE Lab	92.02, -2.20, 40.44
CIE LCh	92, 40.503, 93.119
Yxy	80.7449, 0.3810, 0.4066
Android (android.graphics.Color)	4294961050 (0xFFFFE79A)
YUV	229.3980, -37.1712, 22.4530
Hunter-Lab	89.8582, -6.9537, 35.0699

Details

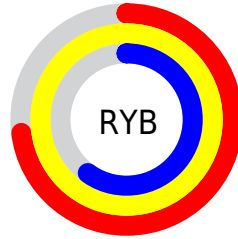
The Yxy color **80.7449, 0.3810, 0.4066** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **45.9469, 0.2436, 0.2365**, and the grayscale version is **78.9182, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3834, 0.3400, 0.3741**, and **43.8803, 0.3948, 0.4231** is the 20% darker color. If you saturate the color by 10%, you get **76.6442, 0.3997, 0.4250**, and if you desaturate by 10%, it is **85.1360, 0.3624, 0.3869**.

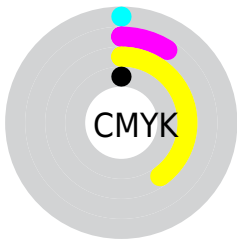
Distribution



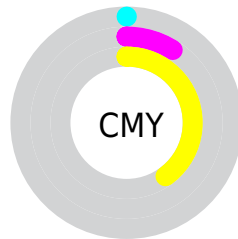
- Red (100%)
- Green (91%)
- Blue (60%)



- Red (73%)
- Yellow (100%)
- Blue (60%)



- Cyan (0%)
- Magenta (9%)
- Yellow (40%)
- Black (0%)




- Cyan (0%)
- Magenta (9%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.7449, 0.3810, 0.4066 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 80.7449, 0.3810, 0.4066 by changing the saturation by 10% instead.


 80.7449, 0.3810,
0.4066


 80.7449, 0.3810,
0.4066


497.4397, 0.3507,
0.3719

 60.3315, 0.3875,
0.4141


 134.4125, 0.3708,
0.3949

 43.6859, 0.3951,
0.4231


 168.4355, 0.3668,
0.3902

 30.4237, 0.4044,
0.4340


207.7639, 0.3633,
0.3862

 20.1604, 0.4157,
0.4474

252.7820, 0.3601,
0.3826

 12.5117, 0.4294,
0.4639

303.8742, 0.3574,
0.3795

 7.0932, 0.4455,
0.4840

361.4250, 0.3549,

 3.5204, 0.4772,

0.3767

0.5228

425.8187, 0.3527,
0.3741

■ 1.4091, 0.4735,
0.5265

■ 0.2234, 0.4151,
0.5849

■ 80.7449, 0.3810,
0.4066

■ 80.7449, 0.3810,
0.4066

■ 76.6442, 0.3997,
0.4250

■ 85.1360, 0.3624,
0.3869

■ 72.8326, 0.4179,
0.4412

■ 89.8407, 0.3445,
0.3669

■ 69.2924, 0.4347,
0.4540

■ 94.8659, 0.3277,
0.3472

■ 66.0076, 0.4492,
0.4625

100.0000, 0.3127,
0.3290

■ 62.9594, 0.4608,
0.4661

■ 60.1193, 0.4695,
0.4652

■ 60.0082, 0.4698,
0.4651

Harmonies

Analogous

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



80.7449, 0.4046, 0.3792



80.7449, 0.3810, 0.4066



80.7449, 0.3398, 0.4137

Triad

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



80.7449, 0.3810, 0.4066



80.7449, 0.2308, 0.3047



80.7449, 0.3275, 0.2753

Complementary

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



80.7449, 0.3810, 0.4066



45.9469, 0.2436, 0.2365

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.



80.7449, 0.2808, 0.2570



80.7449, 0.3810, 0.4066



80.7449, 0.2280, 0.2706

Square

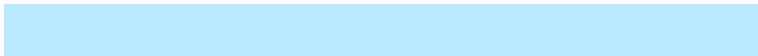
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.7449, 0.3810, 0.4066



80.7449, 0.2538, 0.3507



80.7449, 0.2455, 0.2546



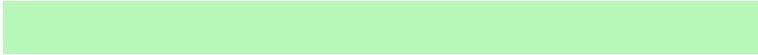
80.7449, 0.3731, 0.3057

Rectangle

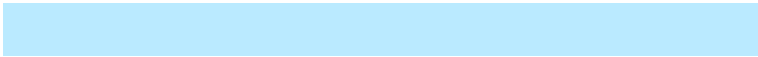
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.7449, 0.3810, 0.4066



80.7449, 0.3085, 0.4030



80.7449, 0.2455, 0.2546



80.7449, 0.3113, 0.2676

Sweetspot

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



80.7411, 0.3810, 0.4066



93.6290, 0.3316, 0.3519



47.6453, 0.3874, 0.3027



19.8982, 0.3338, 0.3544



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

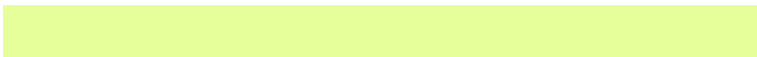
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.7411, 0.3810, 0.4066



77.2793, 0.3967, 0.4222



90.6367, 0.3549, 0.4338



20.3156, 0.3275, 0.3470



31.5979, 0.4688, 0.4659



3.2443, 0.4620, 0.4714

Inverse Universe

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



45.9469, 0.2436, 0.2365



37.9101, 0.2274, 0.2127



39.9555, 0.2567, 0.2125



18.0788, 0.2979, 0.3103



5.6857, 0.1573, 0.0861



0.7134, 0.1629, 0.1065

Previews

White Background



This preview shows how the Yxy color 80.7449, 0.3810, 0.4066 looks on a white background.

Color Contrast Check

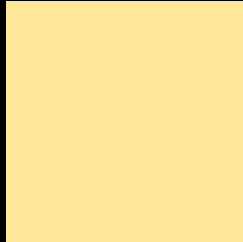
Large Text (above 18pt) WCAG AA × Fail

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 80.7449, 0.3810, 0.4066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

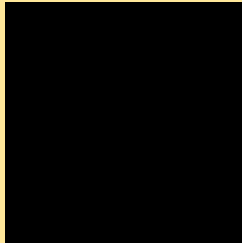
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.7449, 0.3810, 0.4066

Background



This preview shows how black text looks on a background with the Yxy color 80.7449, 0.3810, 0.4066.



This preview shows how white text looks on a background with the Yxy color 80.7449, 0.3810, 0.4066.

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

80.7449, 0.3810, 0.4066

Protanopia

80.7418, 0.3784, 0.4082

Deuteranopia

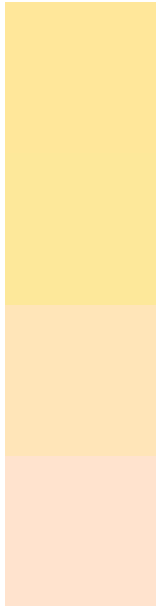
80.9639, 0.3501, 0.3564



Tritanopia

80.6274, 0.3266, 0.3172

Trichromacy



Original Color

80.7449, 0.3810, 0.4066

Protanomaly

80.9290, 0.3791, 0.4080

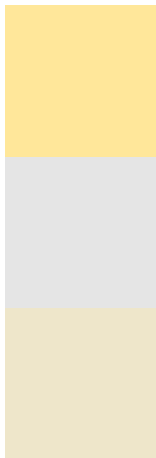
Deuteranomaly

80.7593, 0.3615, 0.3748

Tritanomaly

80.6544, 0.3468, 0.3503

Monochromacy



Original Color

80.7449, 0.3810, 0.4066

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.0350, 0.3366, 0.3585

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7449, 0.3810, 0.4066 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(255, 231, 154)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 154)  
}
```

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(255, 231, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 154) }
```

Border

The CSS property to change the border of an element to Yxy 80.7449, 0.3810, 0.4066 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(255, 231, 154) }
```

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

```
.border{ border-color:rgb(255, 231, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 231, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 154);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7449, 0.3810, 0.4066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 154) }
```

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

```
.background{ background-color: rgb(255,  
231, 154) }
```

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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