

Converting Colors

$Y_{xy}(80.8068, 0.3816, 0.4078)$

Have a look what the booklet for
Yxy(80.8068, 0.3816, 0.4078)
contains.

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Color

Yxy(80.7117, 0.3816, 0.4076)

Conversions

Conversions Part 1

Format	Color
Hex	FFE799
RGB	255, 231, 153
RGB Percent	100%, 91%, 60%
CMY	0.0001, 0.0941, 0.3999
CMYK	0.00, 0.09, 0.40, 0.00
HSL	46°, 100%, 80%
HSV	46°, 40%, 100%
XYZ	75.5633, 80.7117, 41.7420
YIQ	229.2840, 39.3420, -19.1700

Conversions

Conversions Part 2

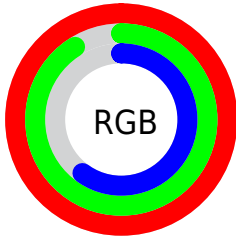
Format	Color
R _Y B	184, 255, 153
Decimal	16770969
CIE Lab	92.00, -2.34, 40.92
CIE LCh	92, 40.990, 93.272
Yxy	80.7117, 0.3816, 0.4076
Android (android.graphics.Color)	4294961049 (0xFFFFE799)
YUV	229.2840, -37.6080, 22.5529
Hunter-Lab	89.8397, -7.0849, 35.3400

Details

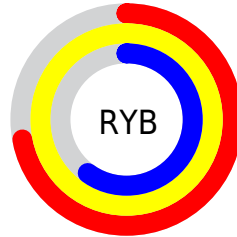
The Yxy color **80.7117, 0.3816, 0.4076** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **45.4374, 0.2428, 0.2351**, and the grayscale version is **78.8376, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3341, 0.3406, 0.3751**, and **43.8606, 0.3956, 0.4243** is the 20% darker color. If you saturate the color by 10%, you get **76.6614, 0.4003, 0.4260**, and if you desaturate by 10%, it is **85.0645, 0.3630, 0.3879**.

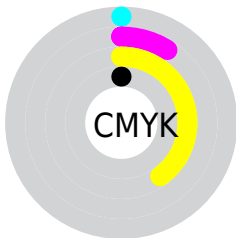
Distribution



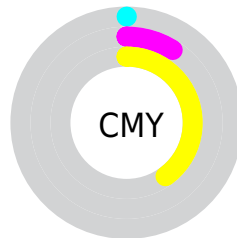
- Red (100%)
- Green (91%)
- Blue (60%)



- Red (72%)
- 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 80.7117, 0.3816, 0.4076 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 80.7117, 0.3816, 0.4076 by changing the saturation by 10% instead.


 80.7117, 0.3816,
0.4076


 80.7117, 0.3816,
0.4076

497.3281, 0.3511,
0.3724

 60.3042, 0.3881,
0.4152

 134.3659, 0.3714,
0.3957

 43.6639, 0.3958,
0.4243


 168.3813, 0.3673,
0.3910

 30.4063, 0.4051,
0.4353


207.7016, 0.3637,
0.3869

 20.1472, 0.4164,
0.4488

252.7110, 0.3606,
0.3833

 12.5021, 0.4301,
0.4654

303.7939, 0.3578,
0.3801

 7.0866, 0.4461,
0.4856

361.3348, 0.3553,

 3.5163, 0.4765,

0.3773

0.5235

425.7181, 0.3531,
0.3747

■ 1.4069, 0.4726,
0.5274

■ 0.2218, 0.4093,
0.5907

■ 80.7117, 0.3816,
0.4076

■ 80.7117, 0.3816,
0.4076

■ 76.6614, 0.4003,
0.4260

■ 85.0645, 0.3630,
0.3879

■ 72.8897, 0.4183,
0.4421

■ 89.7202, 0.3451,
0.3678

■ 69.3863, 0.4349,
0.4548

■ 94.6934, 0.3283,
0.3480

■ 66.1351, 0.4492,
0.4631

99.9932, 0.3127,
0.3290

■ 63.1174, 0.4606,
0.4666

99.9974, 0.3127,
0.3290

■ 60.3032, 0.4692,
0.4657

■ 60.2999, 0.4692,
0.4657

Harmonies

Analogous

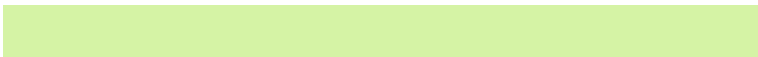
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.7117, 0.4057, 0.3799



80.7117, 0.3816, 0.4076



80.7117, 0.3398, 0.4148

Triad

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



80.7117, 0.3816, 0.4076



80.7117, 0.2298, 0.3041



80.7117, 0.3279, 0.2749

Complementary

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



80.7117, 0.3816, 0.4076



45.4374, 0.2428, 0.2351

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.



80.7117, 0.2806, 0.2563



80.7117, 0.3816, 0.4076



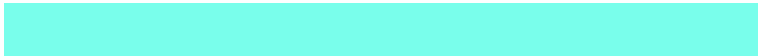
80.7117, 0.2271, 0.2697

Square

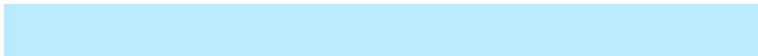
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.7117, 0.3816, 0.4076



80.7117, 0.2529, 0.3507



80.7117, 0.2448, 0.2538



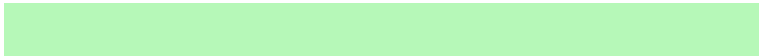
80.7117, 0.3740, 0.3056

Rectangle

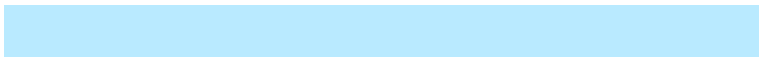
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.7117, 0.3816, 0.4076



80.7117, 0.3082, 0.4039



80.7117, 0.2448, 0.2538



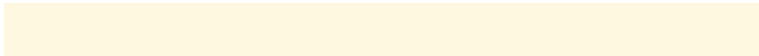
80.7117, 0.3115, 0.2671

Sweetspot

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



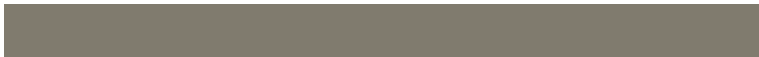
80.7154, 0.3816, 0.4076



93.6782, 0.3316, 0.3519



47.2822, 0.3884, 0.3025



19.9098, 0.3337, 0.3545



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

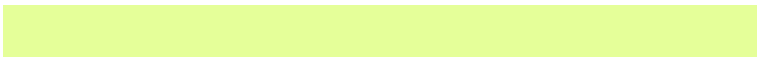
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.7154, 0.3816, 0.4076



77.4539, 0.3966, 0.4225



90.5515, 0.3552, 0.4348



20.3240, 0.3275, 0.3471



31.7525, 0.4682, 0.4665



3.2582, 0.4614, 0.4718

Inverse Universe

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



45.4374, 0.2428, 0.2351



37.7974, 0.2273, 0.2123



39.5347, 0.2560, 0.2112



18.0709, 0.2979, 0.3103



5.6472, 0.1571, 0.0856



0.7087, 0.1628, 0.1059

Previews

White Background



This preview shows how the Yxy color 80.7117, 0.3816, 0.4076 looks on a white background.

Color Contrast Check

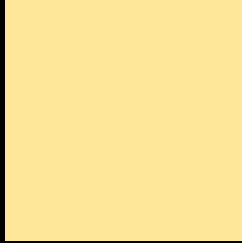
Large Text (above 18pt) WCAG AA × Fail

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 80.7117, 0.3816, 0.4076 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 80.7117, 0.3816, 0.4076

Background



This preview shows how black text looks on a background with the Yxy color 80.7117, 0.3816, 0.4076.



This preview shows how white text looks on a background with the Yxy color 80.7117, 0.3816, 0.4076.

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

80.7117, 0.3816, 0.4076

Protanopia

80.7086, 0.3790, 0.4092

Deuteranopia

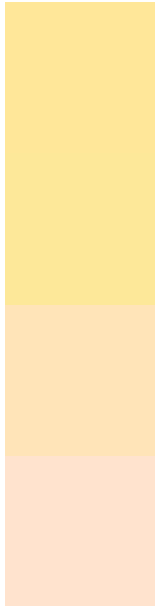
80.4152, 0.3503, 0.3554



Tritanopia

80.6274, 0.3266, 0.3172

Trichromacy



Original Color

80.7117, 0.3816, 0.4076

Protanomaly

80.8958, 0.3797, 0.4090

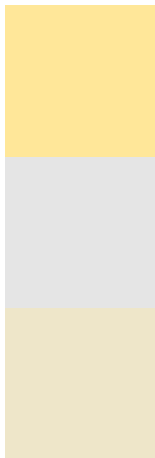
Deuteranomaly

80.2075, 0.3618, 0.3738

Tritanomaly

80.6544, 0.3468, 0.3503

Monochromacy



Original Color

80.7117, 0.3816, 0.4076

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.9878, 0.3373, 0.3595

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7117, 0.3816, 0.4076 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, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 153)  
}
```

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, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 153) }
```

Border

The CSS property to change the border of an element to Yxy 80.7117, 0.3816, 0.4076 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, 153) }
```

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

```
.border{ border-color:rgb(255, 231, 153) }
```

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, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7117, 0.3816, 0.4076 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, 153) }
```

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

```
.background{ background-color: rgb(255,  
231, 153) }
```

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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