

Converting Colors

$Yxy(80.4947, 0.3838, 0.4105)$

Have a look what the booklet for
Yxy(80.4947, 0.3838, 0.4105)
contains.

Yxy(80.6138, 0.3835, 0.4105)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(80.6138, 0.3835, 0.4105)

Conversions

Conversions Part 1

Format	Color
Hex	FFE796
RGB	255, 231, 150
RGB Percent	100%, 91%, 59%
CMY	0.0002, 0.0940, 0.4117
CMYK	0.00, 0.09, 0.41, 0.00
HSL	46°, 100%, 79%
HSV	46°, 41%, 100%
XYZ	75.3116, 80.6138, 40.4542
YIQ	228.9420, 40.3050, -20.1030

Conversions

Conversions Part 2

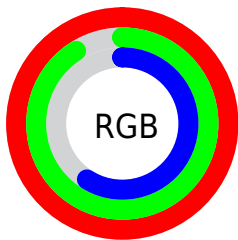
Format	Color
RYB	181, 255, 150
Decimal	16770966
CIELab	91.96, -2.67, 42.36
CIELCh	92, 42.441, 93.602
Yxy	80.6138, 0.3835, 0.4105
Android (android.graphics.Color)	4294961046 (0xFFFFE796)
YUV	228.9420, -38.9184, 22.8529
Hunter-Lab	89.7852, -7.3988, 36.1356

Details

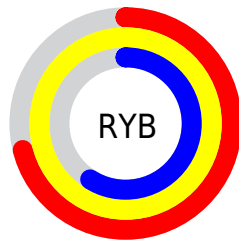
The Yxy color **80.6138, 0.3835, 0.4105** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.9629, 0.2404, 0.2309**, and the grayscale version is **78.5798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.1878, 0.3424, 0.3780**, and **43.8028, 0.3979, 0.4277** is the 20% darker color. If you saturate the color by 10%, you get **76.6806, 0.4020, 0.4288**, and if you desaturate by 10%, it is **84.8414, 0.3650, 0.3908**.

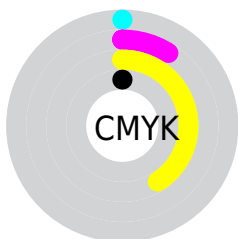
Distribution



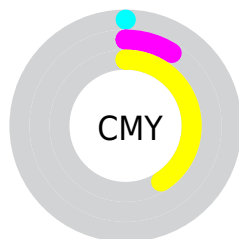
- Red (100%)
- Green (91%)
- Blue (59%)



- Red (71%)
- Yellow (100%)
- Blue (59%)



- Cyan (0%)
- Magenta (9%)
- Yellow (41%)
- Black (0%)





- Cyan (0%)
- Magenta (9%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.6138, 0.3835, 0.4105 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 80.6138, 0.3835, 0.4105 by changing the saturation by 10% instead.


 80.6138, 0.3835,
0.4105


 80.6138, 0.3835,
0.4105


496.9990, 0.3522,
0.3741

 60.2236, 0.3901,
0.4183


 134.2284, 0.3730,
0.3982

 43.5989, 0.3980,
0.4277

 168.2215, 0.3689,
0.3933

 30.3553, 0.4074,
0.4390


207.5177, 0.3652,
0.3891

 20.1084, 0.4188,
0.4529

252.5014, 0.3620,
0.3853

 12.4739, 0.4324,
0.4698

303.5570, 0.3591,
0.3820

 7.0673, 0.4481,
0.4901

361.0689, 0.3566,

 3.5042, 0.4750,

0.3791

0.5250

425.4214, 0.3543,
0.3765

■ 1.4003, 0.4706,
0.5294

■ 0.2169, 0.3941,
0.6059

■ 80.6138, 0.3835,
0.4105

■ 80.6138, 0.3835,
0.4105

■ 76.6806, 0.4020,
0.4288

■ 84.8414, 0.3650,
0.3908

■ 73.0178, 0.4197,
0.4447

■ 89.3639, 0.3471,
0.3705

■ 69.6151, 0.4358,
0.4570

■ 94.1957, 0.3302,
0.3505

■ 66.4563, 0.4495,
0.4649

■ 99.3472, 0.3145,
0.3312

■ 63.5223, 0.4602,
0.4679

99.9925, 0.3127,
0.3290

■ 61.0895, 0.4675,
0.4670

Harmonies

Analogous

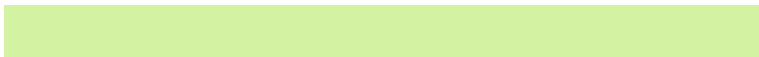
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.6138, 0.4088, 0.3817



80.6138, 0.3835, 0.4105



80.6138, 0.3401, 0.4180

Triad

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



80.6138, 0.3835, 0.4105



80.6138, 0.2269, 0.3026



80.6138, 0.3289, 0.2734

Complementary

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



80.6138, 0.3835, 0.4105



43.9629, 0.2404, 0.2309

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.



80.6138, 0.2799, 0.2541



80.6138, 0.3835, 0.4105



80.6138, 0.2244, 0.2673

Square

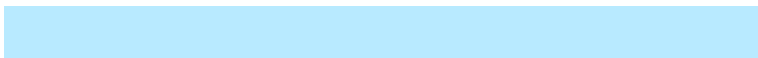
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.6138, 0.3835, 0.4105



80.6138, 0.2505, 0.3509



80.6138, 0.2429, 0.2512



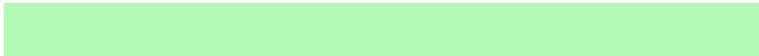
80.6138, 0.3767, 0.3052

Rectangle

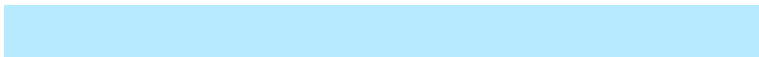
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.6138, 0.3835, 0.4105



80.6138, 0.3074, 0.4065



80.6138, 0.2429, 0.2512



80.6138, 0.3119, 0.2653

Sweetspot

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



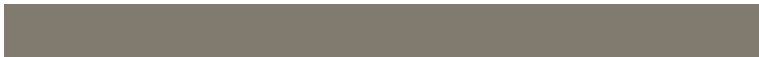
80.6175, 0.3835, 0.4105



93.8097, 0.3316, 0.3522



46.1489, 0.3935, 0.3035



19.9409, 0.3337, 0.3547



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.



80.6175, 0.3835, 0.4105



77.5337, 0.3980, 0.4250



90.0247, 0.3551, 0.4384



20.3465, 0.3275, 0.3472



32.1681, 0.4665, 0.4678



3.2954, 0.4600, 0.4730

Inverse Universe

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



43.9629, 0.2404, 0.2309



36.6143, 0.2252, 0.2083



38.5039, 0.2553, 0.2078



18.0500, 0.2979, 0.3101



5.5469, 0.1568, 0.0843



0.6963, 0.1623, 0.1044

Previews

White Background



This preview shows how the Yxy color 80.6138, 0.3835, 0.4105 looks on a white background.

Color Contrast Check

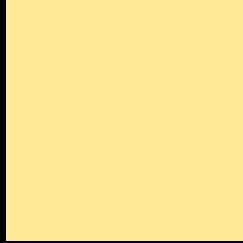
Large Text (above 18pt) WCAG AA × Fail

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 80.6138, 0.3835, 0.4105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

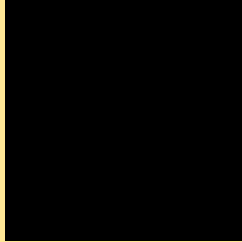
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.6138, 0.3835, 0.4105

Background



This preview shows how black text looks on a background with the Yxy color 80.6138, 0.3835, 0.4105.

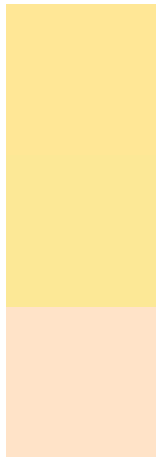


This preview shows how white text looks on a background with the Yxy color 80.6138, 0.3835, 0.4105.

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

80.6138, 0.3835, 0.4105

Protanopia

80.6107, 0.3809, 0.4121

Deuteranopia

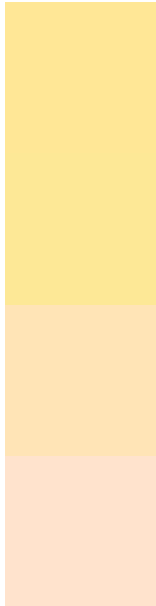
80.3683, 0.3509, 0.3564



Tritanopia

80.6274, 0.3266, 0.3172

Trichromacy



Original Color

80.6138, 0.3835, 0.4105

Protanomaly

80.7979, 0.3817, 0.4119

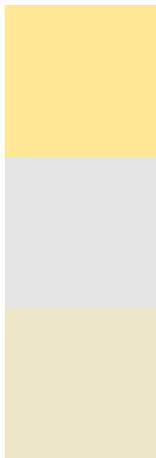
Deuteranomaly

80.1242, 0.3632, 0.3758

Tritanomaly

80.6059, 0.3475, 0.3513

Monochromacy



Original Color

80.6138, 0.3835, 0.4105

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.9409, 0.3380, 0.3606

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.6138, 0.3835, 0.4105 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, 150)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 150)  
}
```

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, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 150) }
```

Border

The CSS property to change the border of an element to Yxy 80.6138, 0.3835, 0.4105 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, 150) }
```

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

```
.border{ border-color:rgb(255, 231, 150) }
```

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, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 150);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 80.6138, 0.3835, 0.4105 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, 150) }
```

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

```
.background{ background-color: rgb(255,  
231, 150) }
```

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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