

Converting Colors

$Y_{xy}(113.1620, 0.4703, 0.3823)$

Have a look what the booklet for
Yxy(113.1620, 0.4703, 0.3823)
contains.

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Color

Yxy(80.0880, 0.3833, 0.4086)

Conversions

Conversions Part 1

Format	Color
Hex	FFE697
RGB	255, 230, 151
RGB Percent	100%, 90%, 59%
CMY	0.0000, 0.0980, 0.4077
CMYK	0.00, 0.10, 0.41, 0.00
HSL	46°, 100%, 80%
HSV	46°, 41%, 100%
XYZ	75.1291, 80.0880, 40.7888
YIQ	228.4690, 40.2590, -19.2690

Conversions

Conversions Part 2

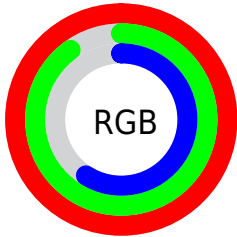
Format	Color
RYB	184, 255, 151
Decimal	16770711
CIELab	91.72, -2.03, 41.56
CIELCh	92, 41.606, 92.791
Yxy	80.0880, 0.3833, 0.4086
Android (android.graphics.Color)	4294960791 (0xFFFFE697)
YUV	228.4690, -38.1922, 23.2677
Hunter-Lab	89.4919, -6.7589, 35.6210

Details

The Yxy color **80.0880, 0.3833, 0.4086** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **44.8650, 0.2414, 0.2336**, and the grayscale version is **78.2091, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2362, 0.3418, 0.3770**, and **43.4311, 0.3978, 0.4254** is the 20% darker color. If you saturate the color by 10%, you get **75.9944, 0.4021, 0.4268**, and if you desaturate by 10%, it is **84.4820, 0.3646, 0.3891**.

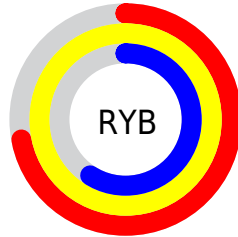
Distribution



Red (100%)

Green (90%)

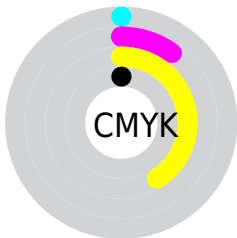
Blue (59%)



Red (72%)

Yellow (100%)

Blue (59%)

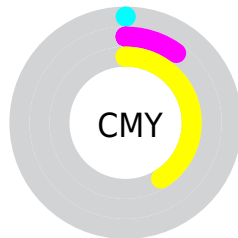


Cyan (0%)

Magenta (10%)

Yellow (41%)

Black (0%)



Cyan (0%)


Magenta (10%)


Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.0880, 0.3833, 0.4086 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 80.0880, 0.3833, 0.4086 by changing the saturation by 10% instead.


 80.0880, 0.3833,
0.4086

 80.0880, 0.3833,
0.4086


495.2294, 0.3520,
0.3730

 59.7908, 0.3900,
0.4163


 133.4894, 0.3728,
0.3966

 43.2500, 0.3979,
0.4254


 167.3625, 0.3686,
0.3918

 30.0813, 0.4074,
0.4365


206.5295, 0.3650,
0.3877

 19.9003, 0.4190,
0.4501

251.3750, 0.3617,
0.3840

 12.3226, 0.4329,
0.4667

302.2834, 0.3589,
0.3808

 6.9638, 0.4491,
0.4867

359.6389, 0.3563,

 3.4395, 0.4779,

0.3779

0.5221

423.8261, 0.3541,
0.3753

■ 1.3652, 0.4745,
0.5255

■ 0.1909, 0.4088,
0.5912

■ 80.0880, 0.3833,
0.4086

■ 80.0880, 0.3833,
0.4086

■ 75.9944, 0.4021,
0.4268

■ 84.4820, 0.3646,
0.3891

■ 72.1866, 0.4202,
0.4425

■ 89.1865, 0.3466,
0.3691

■ 68.6508, 0.4369,
0.4548

■ 94.2131, 0.3296,
0.3494

■ 65.3710, 0.4512,
0.4627

■ 99.5720, 0.3139,
0.3304

■ 62.3277, 0.4625,
0.4657

100.0000, 0.3127,
0.3290

■ 59.7024, 0.4705,
0.4646

Harmonies

Analogous

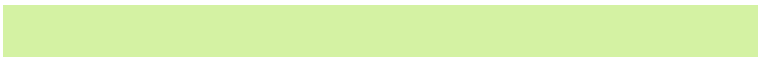
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.0880, 0.4075, 0.3800



80.0880, 0.3833, 0.4086



80.0880, 0.3410, 0.4165

Triad

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



80.0880, 0.3833, 0.4086



80.0880, 0.2286, 0.3043



80.0880, 0.3273, 0.2736

Complementary

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



80.0880, 0.3833, 0.4086



44.8650, 0.2414, 0.2336

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.



80.0880, 0.2793, 0.2549



80.0880, 0.3833, 0.4086



80.0880, 0.2256, 0.2691

Square

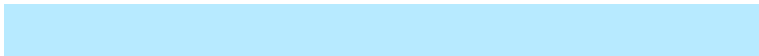
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.0880, 0.3833, 0.4086



80.0880, 0.2524, 0.3518



80.0880, 0.2433, 0.2526



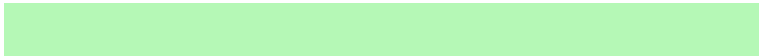
80.0880, 0.3744, 0.3046

Rectangle

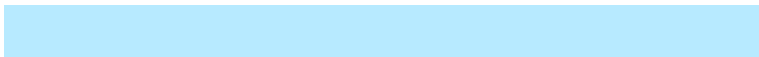
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.0880, 0.3833, 0.4086



80.0880, 0.3088, 0.4057



80.0880, 0.2433, 0.2526



80.0880, 0.3106, 0.2658

Sweetspot

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



80.0886, 0.3833, 0.4086



93.5784, 0.3316, 0.3518



46.5782, 0.3906, 0.3020



19.8862, 0.3338, 0.3543



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

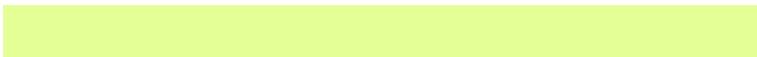
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.0886, 0.3833, 0.4086



76.6988, 0.3988, 0.4237



90.4146, 0.3560, 0.4369



20.3069, 0.3275, 0.3469



31.4397, 0.4695, 0.4654



3.2301, 0.4625, 0.4709

Inverse Universe

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



44.8650, 0.2414, 0.2336



37.1446, 0.2256, 0.2102



38.7127, 0.2547, 0.2086



18.0868, 0.2979, 0.3104



5.7257, 0.1574, 0.0866



0.7184, 0.1631, 0.1071

Previews

White Background



This preview shows how the Yxy color 80.0880, 0.3833, 0.4086 looks on a white background.

Color Contrast Check

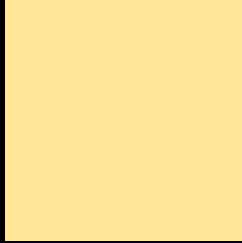
Large Text (above 18pt) WCAG AA × Fail

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 80.0880, 0.3833, 0.4086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

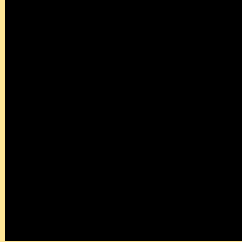
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.0880, 0.3833, 0.4086

Background



This preview shows how black text looks on a background with the Yxy color 80.0880, 0.3833, 0.4086.



This preview shows how white text looks on a background with the Yxy color 80.0880, 0.3833, 0.4086.

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

80.0880, 0.3833, 0.4086

Protanopia

79.9281, 0.3793, 0.4095

Deuteranopia

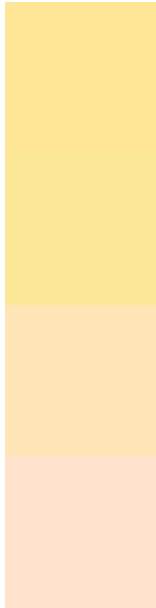
80.2754, 0.3523, 0.3585



Tritanopia

80.0335, 0.3274, 0.3172

Trichromacy



Original Color

80.0880, 0.3833, 0.4086

Protanomaly

80.1143, 0.3800, 0.4093

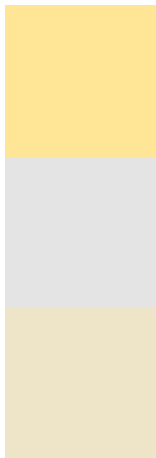
Deuteranomaly

80.0830, 0.3639, 0.3769

Tritanomaly

80.0123, 0.3484, 0.3513

Monochromacy



Original Color

80.0880, 0.3833, 0.4086

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

78.3859, 0.3381, 0.3596

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.0880, 0.3833, 0.4086 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, 230, 151)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 151)  
}
```

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, 230, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 151) }
```

Border

The CSS property to change the border of an element to Yxy 80.0880, 0.3833, 0.4086 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, 230, 151) }
```

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

```
.border{ border-color:rgb(255, 230, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 230, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 151);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 80.0880, 0.3833, 0.4086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 151) }
```

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

```
.background{ background-color: rgb(255,  
230, 151) }
```

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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