

Converting Colors

$Y_{xy}(84.3990, 0.4058, 0.4146)$

Have a look what the booklet for
Yxy(84.3990, 0.4058, 0.4146)
contains.

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Color

Yxy(80.3053, 0.3898, 0.4199)

Conversions

Conversions Part 1

Format	Color
Hex	FFE78C
RGB	255, 231, 140
RGB Percent	100%, 91%, 55%
CMY	0.0000, 0.0941, 0.4508
CMYK	0.00, 0.09, 0.45, 0.00
HSL	47°, 100%, 77%
HSV	47°, 45%, 100%
XYZ	74.5487, 80.3053, 36.3946
YIQ	227.8020, 43.5150, -23.2130

Conversions

Conversions Part 2

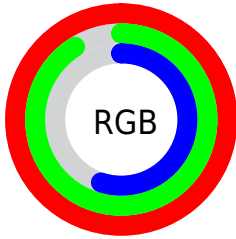
Format	Color
R _Y B	170, 255, 140
Decimal	16770956
CIE Lab	91.82, -3.64, 47.10
CIE LCh	92, 47.240, 94.418
Yxy	80.3053, 0.3898, 0.4199
Android (android.graphics.Color)	4294961036 (0xFFFFE78C)
YUV	227.8020, -43.2864, 23.8526
Hunter-Lab	89.6132, -8.3300, 38.6498

Details

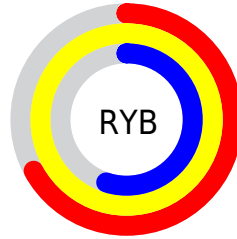
The Yxy color **80.3053, 0.3898, 0.4199** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **39.3544, 0.2322, 0.2169**, and the grayscale version is **77.7328, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7201, 0.3484, 0.3880**, and **43.4910, 0.4043, 0.4390** is the 20% darker color. If you saturate the color by 10%, you get **76.7089, 0.4075, 0.4377**, and if you desaturate by 10%, it is **84.1740, 0.3717, 0.4002**.

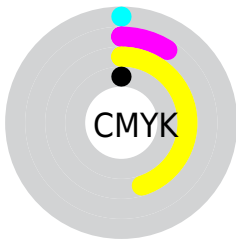
Distribution



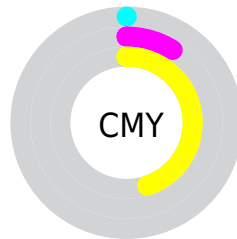
- Red (100%)
- Green (91%)
- Blue (55%)



- Red (67%)
- Yellow (100%)
- Blue (55%)



- Cyan (0%)
- Magenta (9%)
- Yellow (45%)
- Black (0%)





- Cyan (0%)
- Magenta (9%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.3053, 0.3898, 0.4199 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 80.3053, 0.3898, 0.4199 by changing the saturation by 10% instead.


 80.3053, 0.3898,
0.4199

 80.3053, 0.3898,
0.4199


495.9611, 0.3560,
0.3794


 59.9696, 0.3968,
0.4285


 133.7949, 0.3786,
0.4063

 43.3941, 0.4051,
0.4387


 167.7176, 0.3741,
0.4009

 30.1945, 0.4148,
0.4510


 206.9381, 0.3701,
0.3962

 19.9863, 0.4263,
0.4657

251.8407, 0.3666,
0.3920

 12.3851, 0.4395,
0.4833

302.8100, 0.3635,
0.3883

 7.0065, 0.4554,
0.5054

360.2302, 0.3608,

 3.4662, 0.4704,

0.3850

0.5296

424.4858, 0.3583,
0.3821

■ 1.3797, 0.4642,
0.5358

■ 0.2017, 0.3377,
0.6623

■ 80.3053, 0.3898,
0.4199

■ 80.3053, 0.3898,
0.4199

■ 76.7089, 0.4075,
0.4377

■ 84.1740, 0.3717,
0.4002

■ 73.3605, 0.4240,
0.4526

■ 88.3156, 0.3537,
0.3796

■ 70.2493, 0.4385,
0.4635

■ 92.7447, 0.3366,
0.3590

■ 67.3584, 0.4504,
0.4699

■ 97.4715, 0.3204,
0.3389

■ 64.6673, 0.4592,
0.4714

99.9981, 0.3127,
0.3290

■ 63.4030, 0.4627,
0.4708

Harmonies

Analogous

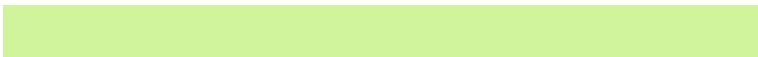
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.3053, 0.4191, 0.3876



80.3053, 0.3898, 0.4199



80.3053, 0.3411, 0.4285

Triad

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



80.3053, 0.3898, 0.4199



80.3053, 0.2176, 0.2977



80.3053, 0.3320, 0.2685

Complementary

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



80.3053, 0.3898, 0.4199



39.3544, 0.2322, 0.2169

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.



80.3053, 0.2774, 0.2469



80.3053, 0.3898, 0.4199



80.3053, 0.2156, 0.2595

Square

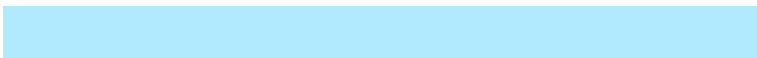
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.3053, 0.3898, 0.4199



80.3053, 0.2426, 0.3516



80.3053, 0.2363, 0.2429



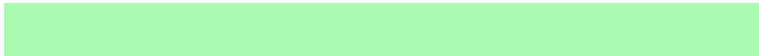
80.3053, 0.3852, 0.3034

Rectangle

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



80.3053, 0.3898, 0.4199



80.3053, 0.3048, 0.4154



80.3053, 0.2363, 0.2429



80.3053, 0.3131, 0.2595

Sweetspot

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



80.3090, 0.3898, 0.4199



93.2502, 0.3348, 0.3568



42.7388, 0.4073, 0.3032



19.7480, 0.3384, 0.3612



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

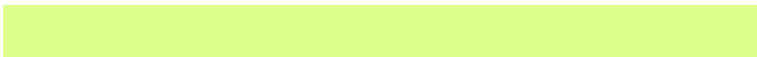
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.3090, 0.3898, 0.4199



77.0931, 0.4056, 0.4359



89.0038, 0.3573, 0.4495



20.4094, 0.3274, 0.3477



33.3556, 0.4618, 0.4715



3.4016, 0.4560, 0.4761

Inverse Universe

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



39.3544, 0.2322, 0.2169



31.5886, 0.2150, 0.1902



34.8249, 0.2499, 0.1952



17.9916, 0.2979, 0.3096



5.2833, 0.1558, 0.0808



0.6629, 0.1612, 0.1002

Previews

White Background



This preview shows how the Yxy color 80.3053, 0.3898, 0.4199 looks on a white background.

Color Contrast Check

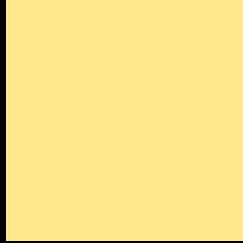
Large Text (above 18pt) WCAG AA × Fail

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 80.3053, 0.3898, 0.4199 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 80.3053, 0.3898, 0.4199

Background



This preview shows how black text looks on a background with the Yxy color 80.3053, 0.3898, 0.4199.



This preview shows how white text looks on a background with the Yxy color 80.3053, 0.3898, 0.4199.

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

80.3053, 0.3898, 0.4199

Protanopia

80.4893, 0.3879, 0.4213

Deuteranopia

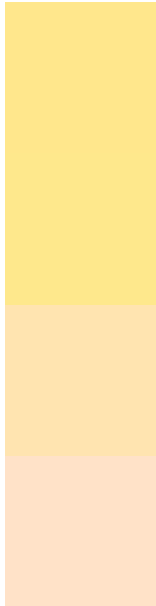
80.2294, 0.3530, 0.3595



Tritanopia

80.0335, 0.3274, 0.3172

Trichromacy



Original Color

80.3053, 0.3898, 0.4199

Protanomaly

80.6775, 0.3886, 0.4211

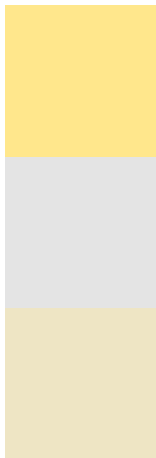
Deuteranomaly

79.8814, 0.3673, 0.3819

Tritanomaly

79.8228, 0.3512, 0.3554

Monochromacy



Original Color

80.3053, 0.3898, 0.4199

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

78.2013, 0.3408, 0.3639

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3053, 0.3898, 0.4199 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, 140)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 140)  
}
```

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, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 140) }
```

Border

The CSS property to change the border of an element to Yxy 80.3053, 0.3898, 0.4199 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, 140) }
```

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

```
.border{ border-color:rgb(255, 231, 140) }
```

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, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 140);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3053, 0.3898, 0.4199 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, 140) }
```

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

```
.background{ background-color: rgb(255,  
231, 140) }
```

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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