

Converting Colors

$Yxy(88.9711, 0.4389, 0.4333)$

Have a look what the booklet for
Yxy(88.9711, 0.4389, 0.4333)
contains.

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Color

Yxy(80.0348, 0.4080, 0.4489)

Conversions

Conversions Part 1

Format	Color
Hex	FFE86B
RGB	255, 232, 107
RGB Percent	100%, 91%, 42%
CMY	0.0001, 0.0901, 0.5805
CMYK	0.00, 0.09, 0.58, 0.00
HSL	51°, 100%, 71%
HSV	51°, 58%, 100%
XYZ	72.7427, 80.0348, 25.5134
YIQ	224.6270, 53.8330, -33.9990

Conversions

Conversions Part 2

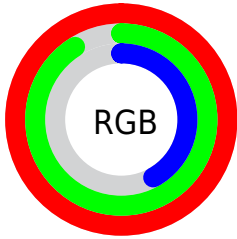
Format	Color
RYB	134, 255, 107
Decimal	16771179
CIELab	91.70, -6.87, 62.39
CIElCh	92, 62.767, 96.285
Yxy	80.0348, 0.4080, 0.4489
Android (android.graphics.Color)	4294961259 (0xFFFFE86B)
YUV	224.6270, -57.9901, 26.6371
Hunter-Lab	89.4622, -11.4184, 45.7148

Details

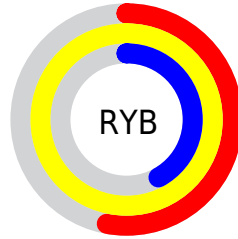
The Yxy color **80.0348, 0.4080, 0.4489** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **26.2876, 0.2052, 0.1681**, and the grayscale version is **75.4066, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3886, 0.3678, 0.4200**, and **43.2943, 0.4236, 0.4721** is the 20% darker color. If you saturate the color by 10%, you get **77.3768, 0.4222, 0.4634**, and if you desaturate by 10%, it is **82.9086, 0.3921, 0.4310**.

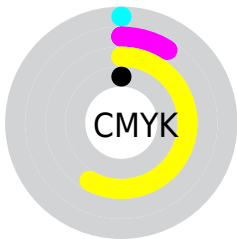
Distribution



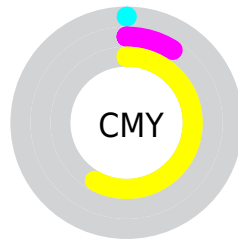
- Red (100%)
- Green (91%)
- Blue (42%)



- Red (53%)
- Yellow (100%)
- Blue (42%)



- Cyan (0%)
- Magenta (9%)
- Yellow (58%)
- Black (0%)





- Cyan (0%)
- Magenta (9%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.0348, 0.4080, 0.4489 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 80.0348, 0.4080, 0.4489 by changing the saturation by 10% instead.


 80.0348, 0.4080,
0.4489


 80.0348, 0.4080,
0.4489


495.0501, 0.3679,
0.3966

 59.7470, 0.4157,
0.4595


 133.4147, 0.3952,
0.4318


 43.2147, 0.4243,
0.4716


 167.2755, 0.3899,
0.4248

 30.0536, 0.4337,
0.4856


 206.4295, 0.3852,
0.4186

 19.8793, 0.4436,
0.5013

 251.2610, 0.3810,
0.4132

 12.3073, 0.4533,
0.5187

302.1544, 0.3772,
0.4084

 6.9533, 0.4619,
0.5381

359.4941, 0.3738,

 3.4329, 0.4550,

0.4040

423.6646, 0.3707,
0.4001

0.5450

■ 1.3617, 0.4431,
0.5569

■ 0.1883, 0.0561,
0.9439

■ 80.0348, 0.4080,
0.4489

■ 80.0348, 0.4080,
0.4489

■ 77.3768, 0.4222,
0.4634

■ 82.9086, 0.3921,
0.4310

■ 74.9086, 0.4340,
0.4738


■ 85.9999, 0.3752,
0.4108


■ 72.6167, 0.4430,
0.4794

■ 89.3241, 0.3580,
0.3893

■ 70.4777, 0.4492,
0.4807

■ 92.8919, 0.3412,
0.3674

 70.0719, 0.4503,
0.4807

 96.7132, 0.3250,
0.3458

99.9956, 0.3127,
0.3290

Harmonies

Analogous

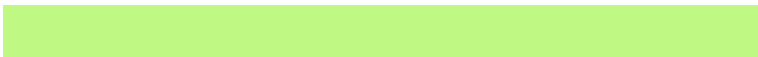
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.0348, 0.4506, 0.4044



80.0348, 0.4080, 0.4489



80.0348, 0.3427, 0.4631

Triad

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



80.0348, 0.4080, 0.4489



80.0348, 0.1892, 0.2814



80.0348, 0.3419, 0.2535

Complementary

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



80.0348, 0.4080, 0.4489



26.2876, 0.2052, 0.1681

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.



80.0348, 0.2696, 0.2252



80.0348, 0.4080, 0.4489



80.0348, 0.1892, 0.2354

Square

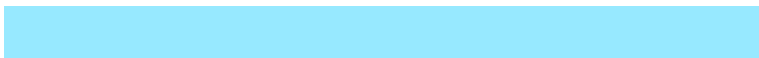
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.0348, 0.4080, 0.4489



80.0348, 0.2178, 0.3533



80.0348, 0.2164, 0.2179



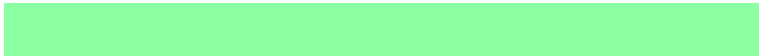
80.0348, 0.4130, 0.2976

Rectangle

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



80.0348, 0.4080, 0.4489



80.0348, 0.2956, 0.4448



80.0348, 0.2164, 0.2179



80.0348, 0.3167, 0.2420

Sweetspot

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



80.0386, 0.4080, 0.4489



93.2999, 0.3394, 0.3651



33.4195, 0.4622, 0.3051



19.8111, 0.3428, 0.3695



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.



80.0386, 0.4080, 0.4489



76.8963, 0.4247, 0.4658



85.6364, 0.3613, 0.4853



20.5823, 0.3273, 0.3489



36.8022, 0.4497, 0.4811



3.7070, 0.4457, 0.4843

Inverse Universe

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



26.2876, 0.2052, 0.1681



18.7161, 0.1839, 0.1322



24.8246, 0.2327, 0.1558



17.8326, 0.2979, 0.3083



4.6845, 0.1536, 0.0728



0.5820, 0.1583, 0.0898

Previews

White Background



This preview shows how the Yxy color 80.0348, 0.4080, 0.4489 looks on a white background.

Color Contrast Check

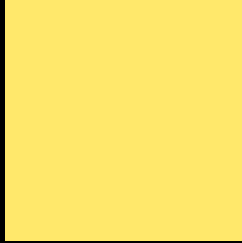
Large Text (above 18pt) WCAG AA × Fail

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 80.0348, 0.4080, 0.4489 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 80.0348, 0.4080, 0.4489

Background



This preview shows how black text looks on a background with the Yxy color 80.0348, 0.4080, 0.4489.



This preview shows how white text looks on a background with the Yxy color 80.0348, 0.4080, 0.4489.

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

80.0348, 0.4080, 0.4489

Protanopia

79.7437, 0.4022, 0.4384

Deuteranopia

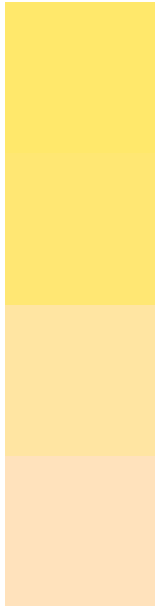
80.0484, 0.3558, 0.3636



Tritanopia

79.9759, 0.3281, 0.3181

Trichromacy



Original Color

80.0348, 0.4080, 0.4489

Protanomaly

79.6496, 0.4044, 0.4417

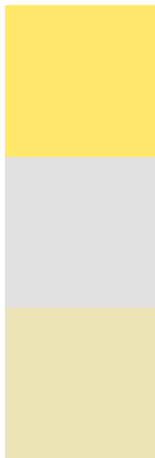
Deuteranomaly

79.9073, 0.3765, 0.3970

Tritanomaly

79.2836, 0.3595, 0.3677

Monochromacy



Original Color

80.0348, 0.4080, 0.4489

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

76.6971, 0.3490, 0.3782

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.0348, 0.4080, 0.4489 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, 232, 107)` looks like.

```
.text, #text, p{  
  color:rgb(255, 232, 107)  
}
```

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, 232, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 107) }
```

Border

The CSS property to change the border of an element to Yxy 80.0348, 0.4080, 0.4489 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, 232, 107) }
```

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

```
.border{ border-color:rgb(255, 232, 107) }
```

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

Here you see how a box with a 4 pixel rgb(255, 232, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 107);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 80.0348, 0.4080, 0.4489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 107) }
```

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

```
.background{ background-color: rgb(255,  
232, 107) }
```

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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