

Converting Colors

$Y_{xy}(100.0000, 0.4359, 0.3852)$

Have a look what the booklet for
Yxy(100.0000, 0.4359, 0.3852)
contains.

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Color

Yxy(80.9499, 0.3771, 0.4008)

Conversions

Conversions Part 1

Format	Color
Hex	FFE7A0
RGB	255, 231, 160
RGB Percent	100%, 91%, 63%
CMY	0.0000, 0.0941, 0.3726
CMYK	0.00, 0.09, 0.37, 0.00
HSL	45°, 100%, 81%
HSV	45°, 37%, 100%
XYZ	76.1632, 80.9499, 44.8577
YIQ	230.0820, 37.0950, -16.9930

Conversions

Conversions Part 2

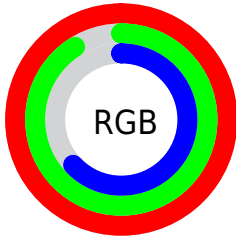
Format	Color
R _Y B	192, 255, 160
Decimal	16770976
CIE Lab	92.11, -1.57, 37.58
CIE LCh	92, 37.610, 92.399
Yxy	80.9499, 0.3771, 0.4008
Android (android.graphics.Color)	4294961056 (0xFFFFE7A0)
YUV	230.0820, -34.5504, 21.8531
Hunter-Lab	89.9722, -6.3475, 33.4201

Details

The Yxy color $80.9499, 0.3771, 0.4008$ is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be $48.9623, 0.2483, 0.2447$, and the grayscale version is $79.4334, 0.3127, 0.3290$.

A 20% lighter version of the original color is $97.6863, 0.3364, 0.3681$, and $44.0037, 0.3901, 0.4160$ is the 20% darker color. If you saturate the color by 10%, you get $76.6094, 0.3962, 0.4193$, and if you desaturate by 10%, it is $85.6084, 0.3584, 0.3813$.

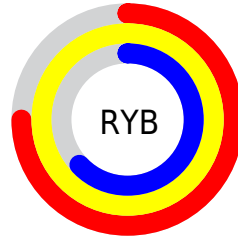
Distribution



Red (100%)

Green (91%)

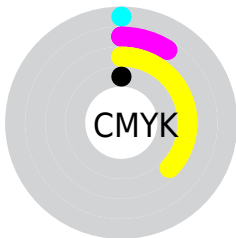
Blue (63%)



Red (75%)

Yellow (100%)

Blue (63%)

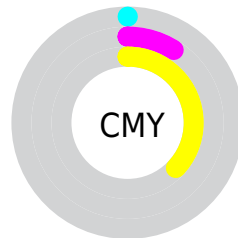


Cyan (0%)

Magenta (9%)

Yellow (37%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.9499, 0.3771, 0.4008 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 80.9499, 0.3771, 0.4008 by changing the saturation by 10% instead.


 80.9499, 0.3771,
0.4008

 80.9499, 0.3771,
0.4008


498.1283, 0.3484,
0.3686

 60.5003, 0.3833,
0.4078


 134.7004, 0.3674,
0.3899

 43.8220, 0.3907,
0.4162


 168.7702, 0.3636,
0.3856

 30.5306, 0.3996,
0.4264


208.1488, 0.3603,
0.3818

 20.2417, 0.4106,
0.4391

253.2206, 0.3573,
0.3785

 12.5709, 0.4242,
0.4549

304.3701, 0.3547,
0.3756

 7.1337, 0.4409,
0.4746

361.9816, 0.3524,

 3.5459, 0.4774,

0.3730

0.5170

426.4396, 0.3503,
0.3707

■ 1.4229, 0.4775,
0.5225

■ 0.2335, 0.4401,
0.5599

■ 80.9499, 0.3771,
0.4008

■ 80.9499, 0.3771,
0.4008

■ 76.6094, 0.3962,
0.4193

■ 85.6084, 0.3584,
0.3813

■ 72.5707, 0.4150,
0.4359

■ 90.5930, 0.3406,
0.3616

■ 68.8211, 0.4327,
0.4493

■ 95.9160, 0.3239,
0.3424

■ 65.3449, 0.4484,
0.4586

100.0000, 0.3127,
0.3290

■ 62.1238, 0.4614,
0.4631

■ 59.1349, 0.4712,
0.4628

■ 58.3483, 0.4736,
0.4622

Harmonies

Analogous

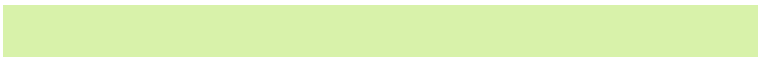
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.9499, 0.3983, 0.3754



80.9499, 0.3771, 0.4008



80.9499, 0.3392, 0.4075

Triad

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



80.9499, 0.3771, 0.4008



80.9499, 0.2366, 0.3076



80.9499, 0.3255, 0.2783

Complementary

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



80.9499, 0.3771, 0.4008



48.9623, 0.2483, 0.2447

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.



80.9499, 0.2822, 0.2615



80.9499, 0.3771, 0.4008



80.9499, 0.2335, 0.2754

Square

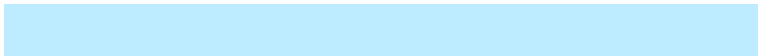
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.9499, 0.3771, 0.4008



80.9499, 0.2587, 0.3502



80.9499, 0.2494, 0.2598



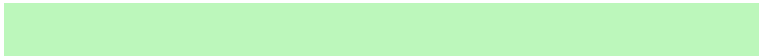
80.9499, 0.3678, 0.3067

Rectangle

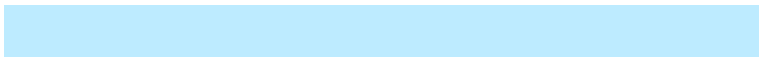
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.9499, 0.3771, 0.4008



80.9499, 0.3101, 0.3978



80.9499, 0.2494, 0.2598



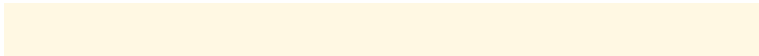
80.9499, 0.3105, 0.2712

Sweetspot

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



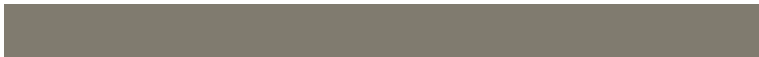
80.9510, 0.3771, 0.4008



93.8866, 0.3300, 0.3495



49.9106, 0.3796, 0.3026



19.9405, 0.3322, 0.3521



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

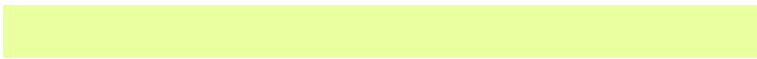
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.9510, 0.3771, 0.4008



77.5649, 0.3919, 0.4153



91.3521, 0.3537, 0.4271



20.2682, 0.3275, 0.3467



30.7392, 0.4725, 0.4631



3.1671, 0.4651, 0.4689

Inverse Universe

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



48.9623, 0.2483, 0.2447



41.2784, 0.2335, 0.2235



42.3178, 0.2596, 0.2199



18.1231, 0.2979, 0.3107



5.9110, 0.1581, 0.0890



0.7409, 0.1639, 0.1099

Previews

White Background



This preview shows how the Yxy color 80.9499, 0.3771, 0.4008 looks on a white background.

Color Contrast Check

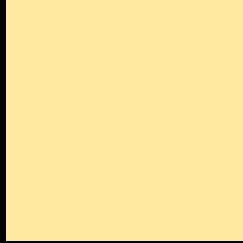
Large Text (above 18pt) WCAG AA × Fail

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 80.9499, 0.3771, 0.4008 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 80.9499, 0.3771, 0.4008

Background



This preview shows how black text looks on a background with the Yxy color 80.9499, 0.3771, 0.4008.



This preview shows how white text looks on a background with the Yxy color 80.9499, 0.3771, 0.4008.

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

80.9499, 0.3771, 0.4008

Protanopia

80.7957, 0.3731, 0.4015

Deuteranopia

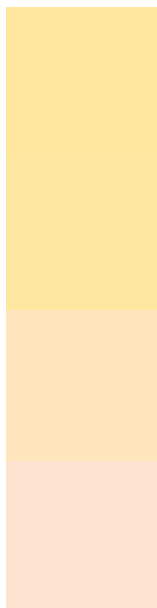
81.0111, 0.3494, 0.3554



Tritanopia

80.6857, 0.3260, 0.3162

Trichromacy



Original Color

80.9499, 0.3771, 0.4008

Protanomaly

80.9819, 0.3738, 0.4013

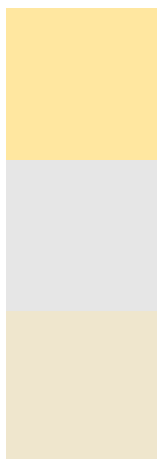
Deuteranomaly

80.8865, 0.3595, 0.3717

Tritanomaly

80.8016, 0.3447, 0.3472

Monochromacy



Original Color

80.9499, 0.3771, 0.4008

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.3521, 0.3353, 0.3552

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.9499, 0.3771, 0.4008 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, 160)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 160)  
}
```

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, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 160) }
```

Border

The CSS property to change the border of an element to Yxy 80.9499, 0.3771, 0.4008 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, 160) }
```

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

```
.border{ border-color:rgb(255, 231, 160) }
```

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, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 160);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 80.9499, 0.3771, 0.4008 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, 160) }
```

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

```
.background{ background-color: rgb(255,  
231, 160) }
```

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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