

Converting Colors

$Yxy(80.8124, 0.3767, 0.3999)$

Have a look what the booklet for
Yxy(80.8124, 0.3767, 0.3999)
contains.

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Color

Yxy(80.9850, 0.3764, 0.3998)

Conversions

Conversions Part 1

Format	Color
Hex	FFE7A1
RGB	255, 231, 161
RGB Percent	100%, 91%, 63%
CMY	0.0001, 0.0941, 0.3686
CMYK	0.00, 0.09, 0.37, 0.00
HSL	45°, 100%, 82%
HSV	45°, 37%, 100%
XYZ	76.2450, 80.9850, 45.3338
YIQ	230.1960, 36.7740, -16.6820

Conversions

Conversions Part 2

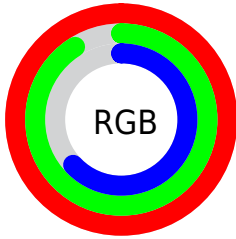
Format	Color
R_{YB}	193, 255, 161
Decimal	16770977
CIE _{Lab}	92.13, -1.48, 37.08
CIE _{LCh}	92, 37.109, 92.279
Yxy	80.9850, 0.3764, 0.3998
Android (android.graphics.Color)	4294961057 (0xFFFFE7A1)
YUV	230.1960, -34.1136, 21.7531
Hunter-Lab	89.9917, -6.2521, 33.1265

Details

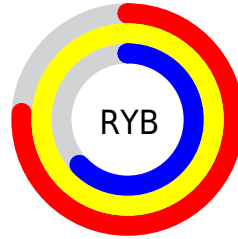
The Yxy color **80.9850, 0.3764, 0.3998** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **49.4866, 0.2491, 0.2461**, and the grayscale version is **79.5217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7379, 0.3358, 0.3671**, and **44.0251, 0.3893, 0.4148** is the 20% darker color. If you saturate the color by 10%, you get **76.6049, 0.3956, 0.4183**, and if you desaturate by 10%, it is **85.6913, 0.3577, 0.3803**.

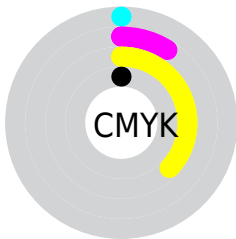
Distribution



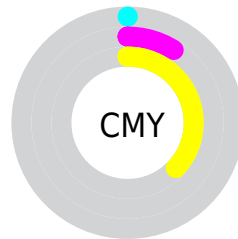
- Red (100%)
- Green (91%)
- Blue (63%)



- Red (76%)
- 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 80.9850, 0.3764, 0.3998 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 80.9850, 0.3764, 0.3998 by changing the saturation by 10% instead.

 80.9850, 0.3764,
0.3998

 80.9850, 0.3764,
0.3998

498.2462, 0.3480,
0.3681

 60.5292, 0.3825,
0.4067


 134.7497, 0.3668,
0.3891

 43.8454, 0.3898,
0.4150


 168.8274, 0.3630,
0.3848

 30.5490, 0.3987,
0.4251


208.2146, 0.3597,
0.3811

 20.2556, 0.4097,
0.4376

253.2957, 0.3568,
0.3778

 12.5810, 0.4233,
0.4533

304.4550, 0.3542,
0.3750

 7.1407, 0.4400,
0.4729

362.0769, 0.3519,

 3.5502, 0.4754,

0.3724

0.5138

426.5458, 0.3499,
0.3701

■ 1.4253, 0.4781,
0.5219

■ 0.2353, 0.4436,
0.5564

■ 80.9850, 0.3764,
0.3998

■ 80.9850, 0.3764,
0.3998

■ 76.6049, 0.3956,
0.4183

■ 85.6913, 0.3577,
0.3803

■ 72.5271, 0.4145,
0.4349

■ 90.7244, 0.3399,
0.3607

■ 68.7415, 0.4324,
0.4485

■ 96.0988, 0.3233,
0.3416

■ 65.2325, 0.4482,
0.4579

99.9970, 0.3127,
0.3290

■ 61.9818, 0.4614,
0.4626

■ 58.9671, 0.4714,
0.4624

■ 58.0577, 0.4742,
0.4617

Harmonies

Analogous

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



80.9850, 0.3972, 0.3747



80.9850, 0.3764, 0.3998



80.9850, 0.3390, 0.4064

Triad

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



80.9850, 0.3764, 0.3998



80.9850, 0.2376, 0.3081



80.9850, 0.3251, 0.2789

Complementary

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



80.9850, 0.3764, 0.3998



49.4866, 0.2491, 0.2461

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.



80.9850, 0.2824, 0.2622



80.9850, 0.3764, 0.3998



80.9850, 0.2344, 0.2762

Square

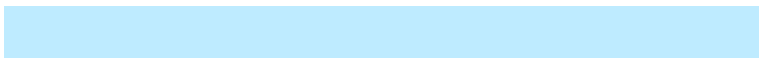
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.9850, 0.3764, 0.3998



80.9850, 0.2595, 0.3501



80.9850, 0.2501, 0.2607



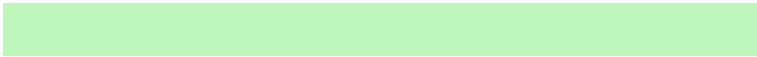
80.9850, 0.3669, 0.3068

Rectangle

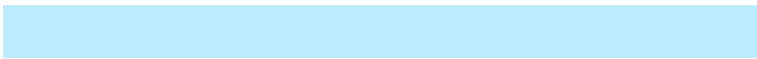
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.9850, 0.3764, 0.3998



80.9850, 0.3104, 0.3969



80.9850, 0.2501, 0.2607



80.9850, 0.3103, 0.2718

Sweetspot

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



80.9887, 0.3764, 0.3998



93.8426, 0.3300, 0.3495



50.2975, 0.3785, 0.3029



19.9300, 0.3322, 0.3520



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

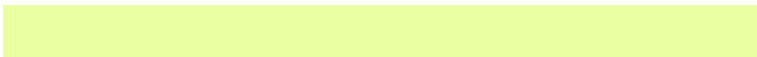
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.9887, 0.3764, 0.3998



77.8359, 0.3901, 0.4132



91.4166, 0.3533, 0.4260



20.2600, 0.3276, 0.3466



30.5930, 0.4731, 0.4626



3.1539, 0.4656, 0.4685

Inverse Universe

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



49.4866, 0.2491, 0.2461



42.3271, 0.2355, 0.2266



42.7707, 0.2603, 0.2213



18.1307, 0.2979, 0.3108



5.9514, 0.1582, 0.0895



0.7457, 0.1640, 0.1104

Previews

White Background



This preview shows how the Yxy color 80.9850, 0.3764, 0.3998 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 80.9850, 0.3764, 0.3998 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 80.9850, 0.3764, 0.3998

Background



This preview shows how black text looks on a background with the Yxy color 80.9850, 0.3764, 0.3998.



This preview shows how white text looks on a background with the Yxy color 80.9850, 0.3764, 0.3998.

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

80.9850, 0.3764, 0.3998

Protanopia

80.8311, 0.3724, 0.4005

Deuteranopia

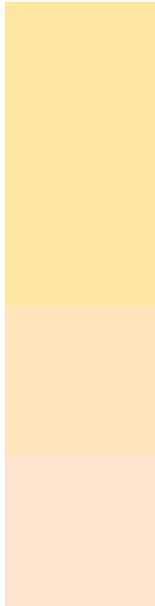
81.0586, 0.3487, 0.3543



Tritanopia

81.2249, 0.3259, 0.3172

Trichromacy



Original Color

80.9850, 0.3764, 0.3998

Protanomaly

81.0173, 0.3732, 0.4003

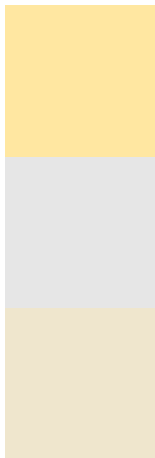
Deuteranomaly

80.9295, 0.3588, 0.3707

Tritanomaly

80.8016, 0.3447, 0.3472

Monochromacy



Original Color

80.9850, 0.3764, 0.3998

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 80.9850, 0.3764, 0.3998 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, 161)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 161)  
}
```

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, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 161) }
```

Border

The CSS property to change the border of an element to Yxy 80.9850, 0.3764, 0.3998 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, 161) }
```

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

```
.border{ border-color:rgb(255, 231, 161) }
```

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, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 161);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 80.9850, 0.3764, 0.3998 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, 161) }
```

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

```
.background{ background-color: rgb(255,  
231, 161) }
```

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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