

Converting Colors

$Y_{xy}(80.3552, 0.3699, 0.3977)$

Have a look what the booklet for
Yxy(80.3552, 0.3699, 0.3977)
contains.

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Color

Yxy(80.1924, 0.3700, 0.3968)

Conversions

Conversions Part 1

Format	Color
Hex	FAE7A5
RGB	250, 231, 165
RGB Percent	98%, 91%, 65%
CMY	0.0198, 0.0940, 0.3530
CMYK	0.00, 0.08, 0.34, 0.02
HSL	47°, 89%, 81%
HSV	47°, 34%, 98%
XYZ	74.7762, 80.1924, 47.1292
YIQ	229.1570, 32.5100, -16.4980

Conversions

Conversions Part 2

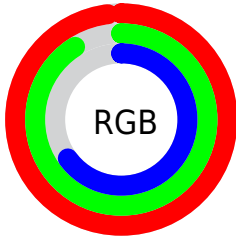
Format	Color
RYB	189, 250, 165
Decimal	16443301
CIELab	91.77, -2.95, 34.52
CIELCh	92, 34.650, 94.889
Yxy	80.1924, 0.3700, 0.3968
Android (android.graphics.Color)	4294633381 (0xFFFAE7A5)
YUV	229.1570, -31.6294, 18.2793
Hunter-Lab	89.5502, -7.6619, 31.4815

Details

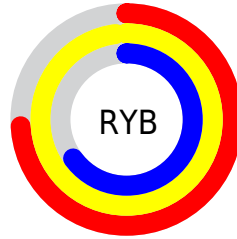
The Yxy color **80.1924, 0.3700, 0.3968** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **49.1404, 0.2541, 0.2504**, and the grayscale version is **78.6926, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0005, 0.3327, 0.3621**, and **43.4270, 0.3820, 0.4128** is the 20% darker color. If you saturate the color by 10%, you get **76.3061, 0.3884, 0.4163**, and if you desaturate by 10%, it is **84.3630, 0.3520, 0.3765**.

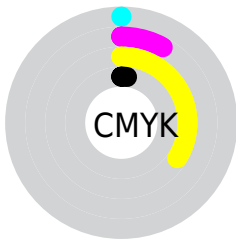
Distribution



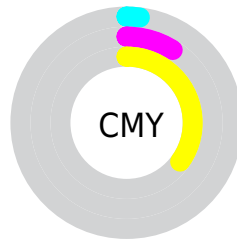
- Red (98%)
- Green (91%)
- Blue (65%)



- Red (74%)
- Yellow (98%)
- Blue (65%)



- Cyan (0%)
- Magenta (8%)
- Yellow (34%)
- Black (2%)




- Cyan (2%)
- Magenta (9%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.1924, 0.3700, 0.3968 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 80.1924, 0.3700, 0.3968 by changing the saturation by 10% instead.


 80.1924, 0.3700,
0.3968


 80.1924, 0.3700,
0.3968


495.5810, 0.3444,
0.3662

 59.8767, 0.3755,
0.4035


 133.6362, 0.3614,
0.3864

 43.3193, 0.3822,
0.4117


 167.5331, 0.3579,
0.3822

 30.1357, 0.3903,
0.4217

206.7258, 0.3549,
0.3787

 19.9416, 0.4004,
0.4343

251.5988, 0.3523,
0.3755

 12.3526, 0.4129,
0.4503

302.5364, 0.3500,
0.3728

 6.9843, 0.4286,
0.4709

359.9230, 0.3479,

 3.4523, 0.4589,

0.3703

0.5100

424.1431, 0.3461,
0.3681

■ 1.3722, 0.4686,
0.5314

■ 0.1961, 0.3682,
0.6318

■ 80.1924, 0.3700,
0.3968

■ 80.1924, 0.3700,
0.3968

■ 76.3061, 0.3884,
0.4163

■ 84.3630, 0.3520,
0.3765

■ 72.6818, 0.4066,
0.4342

■ 88.8173, 0.3348,
0.3563

■ 69.3107, 0.4237,
0.4492

■ 93.5688, 0.3188,
0.3366

■ 66.1790, 0.4390,
0.4604

■ 97.9679, 0.3097,
0.3274

63.2707, 0.4517,
0.4671

99.0538, 0.3096,
0.3290

60.5665, 0.4614,
0.4689

59.0230, 0.4661,
0.4681

Harmonies

Analogous

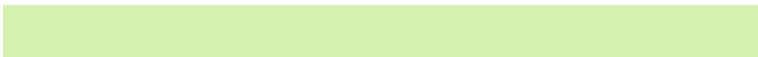
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1924, 0.3910, 0.3747



80.1924, 0.3700, 0.3968



80.1924, 0.3342, 0.4007

Triad

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



80.1924, 0.3700, 0.3968



80.1924, 0.2411, 0.3065



80.1924, 0.3281, 0.2837

Complementary

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



80.1924, 0.3700, 0.3968



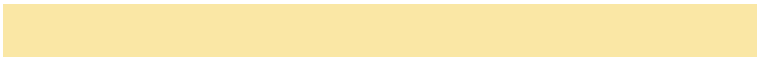
49.1404, 0.2541, 0.2504

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.



80.1924, 0.2876, 0.2669



80.1924, 0.3700, 0.3968



80.1924, 0.2396, 0.2776

Square

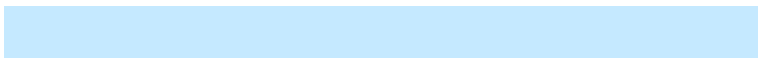
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.1924, 0.3700, 0.3968



80.1924, 0.2604, 0.3454



80.1924, 0.2560, 0.2643



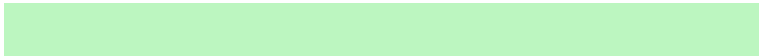
80.1924, 0.3664, 0.3109

Rectangle

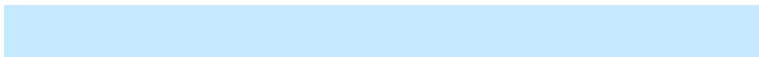
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.1924, 0.3700, 0.3968



80.1924, 0.3072, 0.3904



80.1924, 0.2560, 0.2643



80.1924, 0.3142, 0.2767

Sweetspot

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



80.1961, 0.3700, 0.3968



94.8952, 0.3283, 0.3483



50.7155, 0.3741, 0.3080



20.1634, 0.3306, 0.3511



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

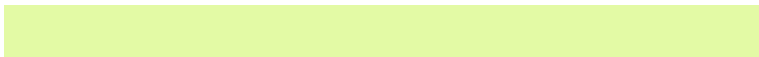
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.1961, 0.3700, 0.3968



81.0304, 0.3830, 0.4107



87.4313, 0.3483, 0.4187



19.4964, 0.3274, 0.3473



31.5474, 0.4651, 0.4689



3.0774, 0.4585, 0.4741

Inverse Universe

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



49.1404, 0.2541, 0.2504



43.9160, 0.2405, 0.2307



44.4518, 0.2674, 0.2314



17.2698, 0.2979, 0.3100



5.3187, 0.1565, 0.0834



0.6433, 0.1624, 0.1045

Previews

White Background



This preview shows how the Yxy color 80.1924, 0.3700, 0.3968 looks on a white background.

Color Contrast Check

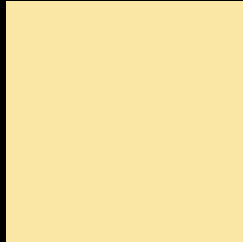
Large Text (above 18pt) WCAG AA × Fail

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 80.1924, 0.3700, 0.3968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

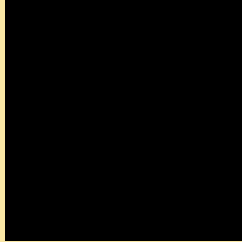
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.1924, 0.3700, 0.3968

Background



This preview shows how black text looks on a background with the Yxy color 80.1924, 0.3700, 0.3968.



This preview shows how white text looks on a background with the Yxy color 80.1924, 0.3700, 0.3968.

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

80.1924, 0.3700, 0.3968

Protanopia

80.0082, 0.3693, 0.3969

Deuteranopia

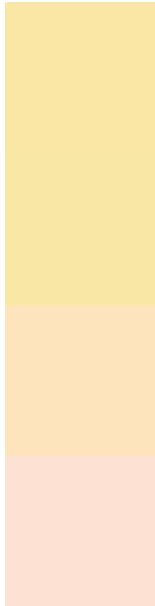
79.8698, 0.3505, 0.3544



Tritanopia

80.2084, 0.3254, 0.3142

Trichromacy



Original Color

80.1924, 0.3700, 0.3968

Protanomaly

80.0082, 0.3693, 0.3969

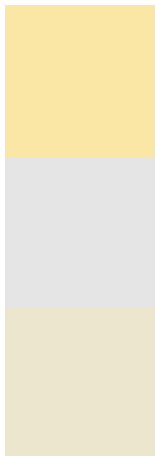
Deuteranomaly

80.0003, 0.3576, 0.3699

Tritanomaly

79.9785, 0.3420, 0.3443

Monochromacy



Original Color

80.1924, 0.3700, 0.3968

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.0544, 0.3332, 0.3543

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1924, 0.3700, 0.3968 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(250, 231, 165)` looks like.

```
.text, #text, p{  
    color:rgb(250, 231, 165)  
}
```

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(250, 231, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 231, 165) }
```

Border

The CSS property to change the border of an element to Yxy 80.1924, 0.3700, 0.3968 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(250, 231, 165) }
```

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

```
.border{ border-color:rgb(250, 231, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 231, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 231, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 231, 165);  
box-shadow:4px 4px 4px 4px rgb(250, 231,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1924, 0.3700, 0.3968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 231, 165) }
```

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

```
.background{ background-color: rgb(250,  
231, 165) }
```

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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