

Converting Colors

$Y_{xy}(101.9571, 0.4850, 0.3629)$

Have a look what the booklet for
Yxy(101.9571, 0.4850, 0.3629)
contains.

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Color

Yxy(67.2226, 0.3921, 0.3830)

Conversions

Conversions Part 1

Format	Color
Hex	FFCD99
RGB	255, 205, 153
RGB Percent	100%, 80%, 60%
CMY	0.0000, 0.1960, 0.4001
CMYK	0.00, 0.20, 0.40, 0.00
HSL	31°, 100%, 80%
HSV	31°, 40%, 100%
XYZ	68.8198, 67.2226, 39.4735
YIQ	214.0220, 46.4920, -5.5720

Conversions

Conversions Part 2

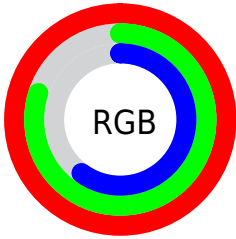
Format	Color
RYB	251, 255, 153
Decimal	16764313
CIELab	85.62, 10.98, 32.59
CIElCh	86, 34.392, 71.381
Yxy	67.2226, 0.3921, 0.3830
Android (android.graphics.Color)	4294954393 (0xFFFFCD99)
YUV	214.0220, -30.0838, 35.9377
Hunter-Lab	81.9894, 6.3469, 28.8476

Details

The Yxy color **67.2226, 0.3921, 0.3830** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **56.6864, 0.2478, 0.2674**, and the grayscale version is **67.4440, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3341, 0.3406, 0.3751**, and **34.9431, 0.4117, 0.3947** is the 20% darker color. If you saturate the color by 10%, you get **60.7296, 0.4177, 0.3959**, and if you desaturate by 10%, it is **74.3788, 0.3686, 0.3692**.

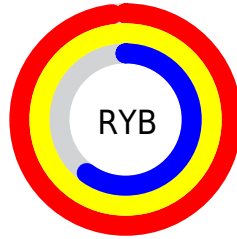
Distribution



Red (100%)

Green (80%)

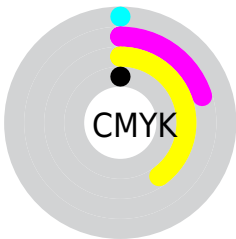
Blue (60%)



Red (98%)

Yellow (100%)

Blue (60%)

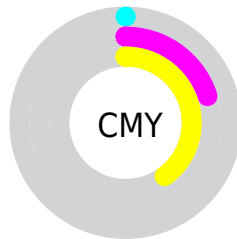


Cyan (0%)

Magenta (20%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (20%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.2226, 0.3921, 0.3830 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 67.2226, 0.3921, 0.3830 by changing the saturation by 10% instead.


 67.2226, 0.3921,
0.3830

 67.2226, 0.3921,
0.3830


450.7367, 0.3549,
0.3589

 49.2655, 0.4006,
0.3881


 115.2393, 0.3792,
0.3749

 34.8302, 0.4110,
0.3943


 146.0678, 0.3742,
0.3717

 23.5321, 0.4240,
0.4016


181.9555, 0.3698,
0.3689

 14.9869, 0.4406,
0.4105

223.2868, 0.3661,
0.3664

 8.8102, 0.4623,
0.4210

270.4463, 0.3628,
0.3642

 4.6176, 0.4915,
0.4327

323.8181, 0.3599,

 2.0247, 0.5453,

0.3622

0.4547

383.7868, 0.3573,
0.3605

0.6218, 0.5801,
0.4199

0.0000, 0.0000,
0.0000

67.2226, 0.3921,
0.3830

67.2226, 0.3921,
0.3830

60.7296, 0.4177,
0.3959

74.3788, 0.3686,
0.3692

54.8685, 0.4447,
0.4070

82.2109, 0.3476,
0.3553

49.6178, 0.4721,
0.4148

90.7418, 0.3290,
0.3418

44.9507, 0.4983,
0.4182

99.9907, 0.3127,
0.3290

■ 40.8372, 0.5214,
0.4161

100.0000, 0.3127,
0.3290

■ 37.2385, 0.5406,
0.4089

Harmonies

Analogous

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



67.2226, 0.3965, 0.3514



67.2226, 0.3921, 0.3830



67.2226, 0.3657, 0.4032

Triad

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



67.2226, 0.3921, 0.3830



67.2226, 0.2519, 0.3370



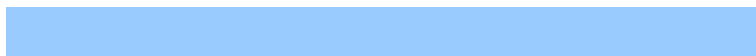
67.2226, 0.2950, 0.2666

Complementary

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



67.2226, 0.3921, 0.3830



56.6864, 0.2478, 0.2674

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.



67.2226, 0.2591, 0.2603



67.2226, 0.3921, 0.3830



67.2226, 0.2356, 0.2974

Square

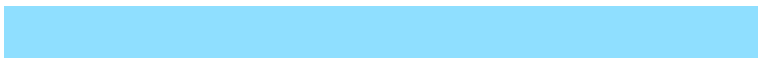
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.2226, 0.3921, 0.3830



67.2226, 0.2844, 0.3773



67.2226, 0.2382, 0.2705



67.2226, 0.3382, 0.2869

Rectangle

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



67.2226, 0.3921, 0.3830



67.2226, 0.3400, 0.4054



67.2226, 0.2382, 0.2705



67.2226, 0.2817, 0.2628

Sweetspot

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



67.2255, 0.3921, 0.3830



88.9872, 0.3325, 0.3444



48.3934, 0.3629, 0.2765



18.8037, 0.3349, 0.3462



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.



67.2255, 0.3921, 0.3830



61.9834, 0.4124, 0.3935



95.0791, 0.3728, 0.4284



19.5188, 0.3281, 0.3411



19.7578, 0.5381, 0.4109



2.1425, 0.5209, 0.4246

Inverse Universe

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



56.6864, 0.2478, 0.2674



50.1268, 0.2348, 0.2524



36.7643, 0.2381, 0.2056



18.8474, 0.2979, 0.3166



11.7270, 0.1761, 0.1540



1.3598, 0.1819, 0.1749

Previews

White Background



This preview shows how the Yxy color 67.2226, 0.3921, 0.3830 looks on a white background.

Color Contrast Check

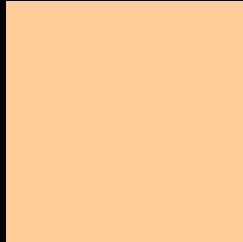
Large Text (above 18pt) WCAG AA × Fail

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 67.2226, 0.3921, 0.3830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

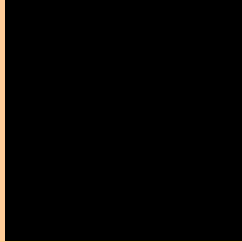
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.2226, 0.3921, 0.3830

Background



This preview shows how black text looks on a background with the Yxy color 67.2226, 0.3921, 0.3830.



This preview shows how white text looks on a background with the Yxy color 67.2226, 0.3921, 0.3830.

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

67.2226, 0.3921, 0.3830

Protanopia

67.3505, 0.3655, 0.3922

Deuteranopia

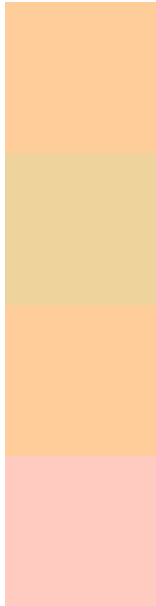
67.2226, 0.3921, 0.3830



Tritanopia

67.3726, 0.3464, 0.3158

Trichromacy



Original Color

67.2226, 0.3921, 0.3830

Protanomaly

67.3396, 0.3745, 0.3887

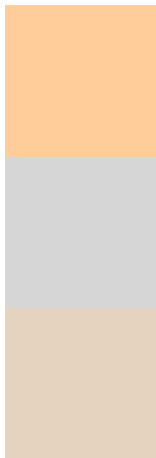
Deuteranomaly

67.2226, 0.3921, 0.3830

Tritanomaly

67.2626, 0.3633, 0.3405

Monochromacy



Original Color

67.2226, 0.3921, 0.3830

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

67.0523, 0.3400, 0.3500

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.2226, 0.3921, 0.3830 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, 205, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 153)  
}
```

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, 205, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 153) }
```

Border

The CSS property to change the border of an element to Yxy 67.2226, 0.3921, 0.3830 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, 205, 153) }
```

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

```
.border{ border-color:rgb(255, 205, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 205, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 67.2226, 0.3921, 0.3830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 205, 153) }
```

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

```
.background{ background-color: rgb(255,  
205, 153) }
```

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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