

Converting Colors

$Y_{xy}(71.2748, 0.4008, 0.3822)$

Have a look what the booklet for
Yxy(71.2748, 0.4008, 0.3822)
contains.

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Color

Yxy(68.7048, 0.3901, 0.3849)

Conversions

Conversions Part 1

Format	Color
Hex	FFD09A
RGB	255, 208, 154
RGB Percent	100%, 82%, 60%
CMY	0.0000, 0.1843, 0.3961
CMYK	0.00, 0.18, 0.40, 0.00
HSL	32°, 100%, 80%
HSV	32°, 40%, 100%
XYZ	69.6330, 68.7048, 40.1626
YIQ	215.8970, 45.3460, -6.8300

Conversions

Conversions Part 2

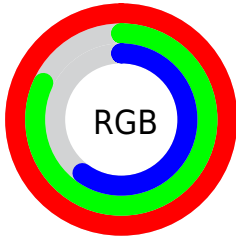
Format	Color
R _Y B	242, 255, 154
Decimal	16765082
CIE Lab	86.36, 9.55, 33.05
CIE LCh	86, 34.396, 73.887
Yxy	68.7048, 0.3901, 0.3849
Android (android.graphics.Color)	4294955162 (0xFFFFD09A)
YUV	215.8970, -30.5152, 34.2933
Hunter-Lab	82.8884, 4.9000, 29.2936

Details

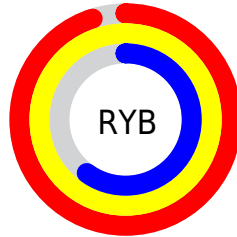
The Yxy color **68.7048, 0.3901, 0.3849** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **55.8636, 0.2480, 0.2651**, and the grayscale version is **68.7833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3834, 0.3400, 0.3741**, and **35.9408, 0.4087, 0.3972** is the 20% darker color. If you saturate the color by 10%, you get **62.3719, 0.4149, 0.3985**, and if you desaturate by 10%, it is **75.6513, 0.3672, 0.3705**.

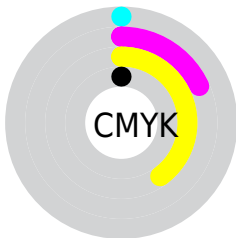
Distribution



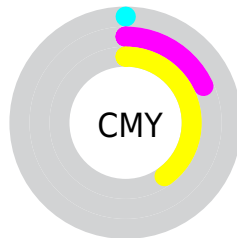
- Red (100%)
- Green (82%)
- Blue (60%)



- Red (95%)
- Yellow (100%)
- Blue (60%)



- Cyan (0%)
- Magenta (18%)
- Yellow (40%)
- Black (0%)





- Cyan (0%)
- Magenta (18%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.7048, 0.3901, 0.3849 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 68.7048, 0.3901, 0.3849 by changing the saturation by 10% instead.


 68.7048, 0.3901,
0.3849

 68.7048, 0.3901,
0.3849


455.9891, 0.3540,
0.3599

 50.4713, 0.3983,
0.3903

 117.3598, 0.3776,
0.3765

 35.7880, 0.4083,
0.3967


 148.5502, 0.3728,
0.3731

 24.2705, 0.4207,
0.4044


184.8283, 0.3686,
0.3702

 15.5344, 0.4366,
0.4137

226.5786, 0.3649,
0.3677

 9.1953, 0.4573,
0.4249

274.1854, 0.3617,
0.3654

 4.8688, 0.4846,
0.4375

328.0332, 0.3589,

 2.1705, 0.5369,

0.3634

0.4631

388.5063, 0.3563,
0.3616

0.7038, 0.5621,
0.4379

0.0000, 0.0000,
0.0000

68.7048, 0.3901,
0.3849

68.7048, 0.3901,
0.3849

62.3719, 0.4149,
0.3985

75.6513, 0.3672,
0.3705

56.6314, 0.4410,
0.4102

83.2308, 0.3466,
0.3560

51.4608, 0.4672,
0.4187

91.4618, 0.3283,
0.3419

46.8353, 0.4922,
0.4228

100.0000, 0.3127,
0.3290

■ 42.7269, 0.5143,
0.4215

■ 39.0972, 0.5326,
0.4151

■ 38.9632, 0.5333,
0.4148

Harmonies

Analogous

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



68.7048, 0.3965, 0.3541



68.7048, 0.3901, 0.3849



68.7048, 0.3624, 0.4035

Triad

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



68.7048, 0.3901, 0.3849



68.7048, 0.2502, 0.3334



68.7048, 0.2986, 0.2682

Complementary

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



68.7048, 0.3901, 0.3849



55.8636, 0.2480, 0.2651

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.



68.7048, 0.2619, 0.2607



68.7048, 0.3901, 0.3849



68.7048, 0.2356, 0.2948

Square

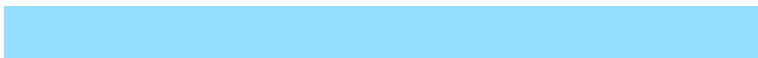
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.7048, 0.3901, 0.3849



68.7048, 0.2814, 0.3740



68.7048, 0.2398, 0.2694



68.7048, 0.3416, 0.2894

Rectangle

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



68.7048, 0.3901, 0.3849



68.7048, 0.3364, 0.4044



68.7048, 0.2398, 0.2694



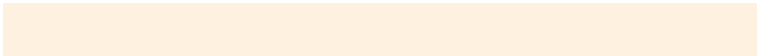
68.7048, 0.2851, 0.2640

Sweetspot

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



68.7049, 0.3901, 0.3849



89.4323, 0.3324, 0.3452



48.5948, 0.3655, 0.2804



18.9085, 0.3348, 0.3470



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.



68.7049, 0.3901, 0.3849



63.3495, 0.4108, 0.3964



94.4802, 0.3699, 0.4283



19.5955, 0.3281, 0.3417



20.6612, 0.5309, 0.4167



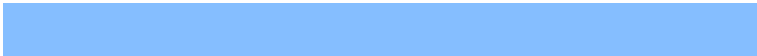
2.2305, 0.5147, 0.4295

Inverse Universe

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



55.8636, 0.2480, 0.2651



48.8101, 0.2341, 0.2485



37.5365, 0.2412, 0.2078



18.7712, 0.2979, 0.3160



10.9170, 0.1739, 0.1460



1.2791, 0.1798, 0.1674

Previews

White Background



This preview shows how the Yxy color 68.7048, 0.3901, 0.3849 looks on a white background.

Color Contrast Check

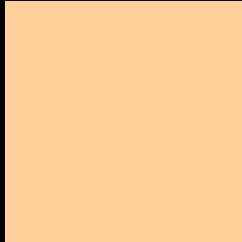
Large Text (above 18pt) WCAG AA × Fail

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 68.7048, 0.3901, 0.3849 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 68.7048, 0.3901, 0.3849

Background



This preview shows how black text looks on a background with the Yxy color 68.7048, 0.3901, 0.3849.



This preview shows how white text looks on a background with the Yxy color 68.7048, 0.3901, 0.3849.

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

68.7048, 0.3901, 0.3849

Protanopia

68.8697, 0.3673, 0.3937

Deuteranopia

68.8404, 0.3871, 0.3808



Tritanopia

68.9297, 0.3436, 0.3158

Trichromacy



Original Color

68.7048, 0.3901, 0.3849

Protanomaly

68.6896, 0.3754, 0.3903

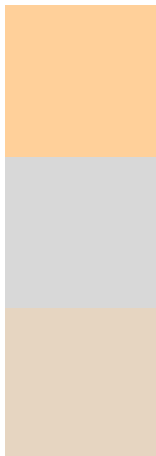
Deuteranomaly

68.8061, 0.3878, 0.3819

Tritanomaly

68.7729, 0.3610, 0.3415

Monochromacy



Original Color

68.7048, 0.3901, 0.3849

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

68.2617, 0.3397, 0.3510

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.7048, 0.3901, 0.3849 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, 208, 154)` looks like.

```
.text, #text, p{  
    color:rgb(255, 208, 154)  
}
```

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, 208, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 208, 154) }
```

Border

The CSS property to change the border of an element to Yxy 68.7048, 0.3901, 0.3849 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, 208, 154) }
```

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

```
.border{ border-color:rgb(255, 208, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 208, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 208, 154); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 208, 154); box-shadow:4px 4px 4px 4px rgb(255, 208, 154) }
```


Background

The CSS property to change the background color of an element to Yxy 68.7048, 0.3901, 0.3849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 208, 154) }
```

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

```
.background{ background-color: rgb(255,  
208, 154) }
```

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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