

Converting Colors

$Y_{xy}(68.2658, 0.3912, 0.3851)$

Have a look what the booklet for
Yxy(68.2658, 0.3912, 0.3851)
contains.

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Color

Yxy(68.1856, 0.3912, 0.3849)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | FFCF99 |
| RGB | 255, 207, 153 |
| RGB Percent | 100%, 81%, 60% |
| CMY | 0.0001, 0.1882, 0.3998 |
| CMYK | 0.00, 0.19, 0.40, 0.00 |
| HSL | 32°, 100%, 80% |
| HSV | 32°, 40%, 100% |
| XYZ | 69.3017, 68.1856, 39.6642 |
| YIQ | 215.1960, 45.9420, -6.6180 |

Conversions

Conversions Part 2

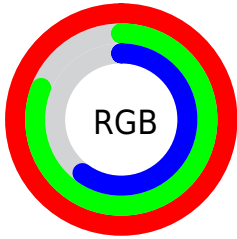
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 244, 255, 153 |
| Decimal | 16764825 |
| CIE _{Lab} | 86.10, 9.94, 33.20 |
| CIE _{LCh} | 86, 34.653, 73.324 |
| Yxy | 68.1856, 0.3912, 0.3849 |
| Android (android.graphics.Color) | 4294954905 (0xFFFFCF99) |
| YUV | 215.1960, -30.6626, 34.9081 |
| Hunter-Lab | 82.5746, 5.3027, 29.3226 |

Details

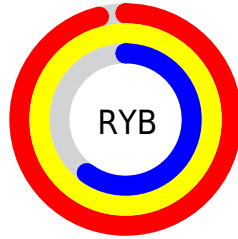
The Yxy color **68.1856, 0.3912, 0.3849** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **55.7793, 0.2475, 0.2650**, and the grayscale version is **68.2867, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3341, 0.3406, 0.3751**, and **35.5924, 0.4103, 0.3972** is the 20% darker color. If you saturate the color by 10%, you get **61.8380, 0.4162, 0.3983**, and if you desaturate by 10%, it is **75.1616, 0.3681, 0.3706**.

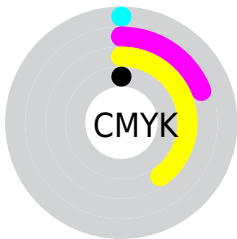
Distribution



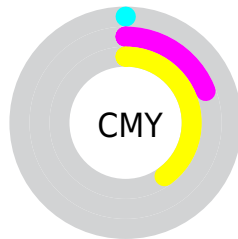
- Red (100%)
- Green (81%)
- Blue (60%)



- Red (96%)
- Yellow (100%)
- Blue (60%)



- Cyan (0%)
- Magenta (19%)
- Yellow (40%)
- Black (0%)





- Cyan (0%)
- Magenta (19%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.1856, 0.3912, 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 68.1856, 0.3912, 0.3849 by changing the saturation by 10% instead.


 68.1856, 0.3912,
0.3849


 68.1856, 0.3912,
0.3849


454.1533, 0.3546,
0.3599

 50.0487, 0.3995,
0.3902


 116.6176, 0.3785,
0.3765

 35.4521, 0.4097,
0.3966


 147.6816, 0.3736,
0.3731

 24.0114, 0.4224,
0.4043


183.8233, 0.3693,
0.3702

 15.3421, 0.4385,
0.4136

225.4273, 0.3656,
0.3677

 9.0598, 0.4596,
0.4246

272.8779, 0.3623,
0.3654

 4.7802, 0.4875,
0.4370

326.5595, 0.3595,

 2.1189, 0.5393,

0.3634

0.4607

386.8565, 0.3569,
0.3616

0.6752, 0.5673,
0.4327

0.0000, 0.0000,
0.0000

68.1856, 0.3912,
0.3849

68.1856, 0.3912,
0.3849

61.8380, 0.4162,
0.3983

75.1616, 0.3681,
0.3706

56.0879, 0.4425,
0.4098

82.7765, 0.3474,
0.3562

50.9155, 0.4690,
0.4180

91.0523, 0.3289,
0.3422

46.2955, 0.4942,
0.4219

99.9973, 0.3127,
0.3290

■ 42.1994, 0.5164,
0.4203

■ 38.5871, 0.5348,
0.4136

■ 38.5800, 0.5348,
0.4135

Harmonies

Analogous

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



68.1856, 0.3972, 0.3536



68.1856, 0.3912, 0.3849



68.1856, 0.3635, 0.4040

Triad

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



68.1856, 0.3912, 0.3849



68.1856, 0.2501, 0.3342



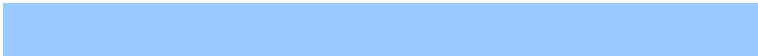
68.1856, 0.2976, 0.2674

Complementary

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



68.1856, 0.3912, 0.3849



55.7793, 0.2475, 0.2650

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.



68.1856, 0.2609, 0.2601



68.1856, 0.3912, 0.3849



68.1856, 0.2350, 0.2951

Square

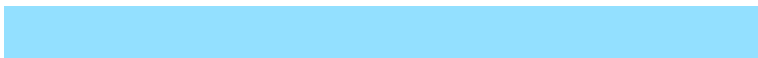
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.1856, 0.3912, 0.3849



68.1856, 0.2818, 0.3751



68.1856, 0.2388, 0.2691



68.1856, 0.3411, 0.2885

Rectangle

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



68.1856, 0.3912, 0.3849



68.1856, 0.3373, 0.4053



68.1856, 0.2388, 0.2691



68.1856, 0.2841, 0.2633

Sweetspot

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



68.1888, 0.3912, 0.3849



89.3368, 0.3325, 0.3450



48.3338, 0.3645, 0.2782



18.8860, 0.3348, 0.3468



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.



68.1888, 0.3912, 0.3849



63.0543, 0.4111, 0.3958



94.7490, 0.3716, 0.4288



19.5790, 0.3281, 0.3416



20.4631, 0.5324, 0.4154



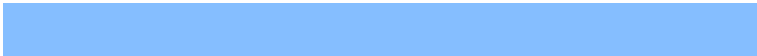
2.2113, 0.5160, 0.4285

Inverse Universe

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



55.7793, 0.2475, 0.2650



49.0901, 0.2343, 0.2494



36.9596, 0.2393, 0.2061



18.7875, 0.2979, 0.3161



11.0864, 0.1744, 0.1477



1.2960, 0.1803, 0.1690

Previews

White Background



This preview shows how the Yxy color 68.1856, 0.3912, 0.3849 looks on a white background.

Color Contrast Check

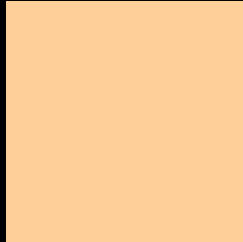
Large Text (above 18pt) WCAG AA × Fail

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 68.1856, 0.3912, 0.3849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

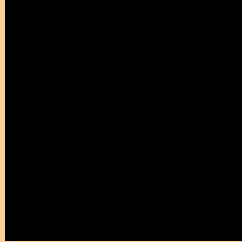
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.1856, 0.3912, 0.3849

Background



This preview shows how black text looks on a background with the Yxy color 68.1856, 0.3912, 0.3849.



This preview shows how white text looks on a background with the Yxy color 68.1856, 0.3912, 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

68.1856, 0.3912, 0.3849

Protanopia

68.1910, 0.3668, 0.3929

Deuteranopia

68.2859, 0.3890, 0.3819



Tritanopia

68.3561, 0.3453, 0.3168

Trichromacy



Original Color

68.1856, 0.3912, 0.3849

Protanomaly

68.0125, 0.3750, 0.3895

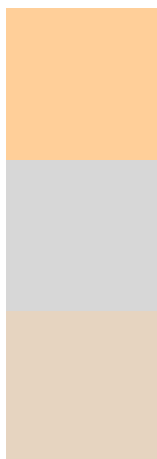
Deuteranomaly

68.2522, 0.3897, 0.3829

Tritanomaly

68.2515, 0.3620, 0.3416

Monochromacy



Original Color

68.1856, 0.3912, 0.3849

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

67.7157, 0.3406, 0.3511

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.1856, 0.3912, 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, 207, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 207, 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, 207, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 207, 153) }
```

Border

The CSS property to change the border of an element to Yxy 68.1856, 0.3912, 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, 207, 153) }
```

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

```
.border{ border-color:rgb(255, 207, 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, 207, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 207, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 207, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 207,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 68.1856, 0.3912, 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, 207, 153) }
```

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

```
.background{ background-color: rgb(255,  
207, 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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