

Converting Colors

$Y_{xy}(79.9333, 0.4211, 0.3627)$

Have a look what the booklet for
Yxy(79.9333, 0.4211, 0.3627)
contains.

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Color

Yxy(68.2298, 0.3802, 0.3686)

Conversions

Conversions Part 1

Format	Color
Hex	FFCEA8
RGB	255, 206, 168
RGB Percent	100%, 81%, 66%
CMY	0.0000, 0.1921, 0.3412
CMYK	0.00, 0.19, 0.34, 0.00
HSL	26°, 100%, 83%
HSV	26°, 34%, 100%
XYZ	70.3770, 68.2298, 46.4984
YIQ	216.3190, 41.4020, -1.4300

Conversions

Conversions Part 2

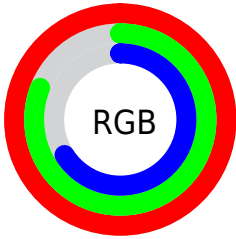
Format	Color
RYB	255, 235, 168
Decimal	16764584
CIELab	86.12, 12.16, 25.46
CIELCh	86, 28.217, 64.462
Yxy	68.2298, 0.3802, 0.3686
Android (android.graphics.Color)	4294954664 (0xFFFFCEA8)
YUV	216.3190, -23.8213, 33.9232
Hunter-Lab	82.6013, 7.5312, 24.4450

Details

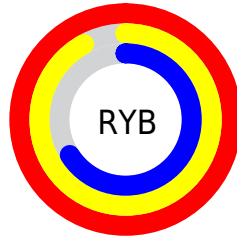
The Yxy color **68.2298, 0.3802, 0.3686** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **65.1549, 0.2585, 0.2855**, and the grayscale version is **69.0437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1077, 0.3315, 0.3601**, and **35.5877, 0.3962, 0.3769** is the 20% darker color. If you saturate the color by 10%, you get **60.7739, 0.4063, 0.3803**, and if you desaturate by 10%, it is **76.5098, 0.3570, 0.3565**.

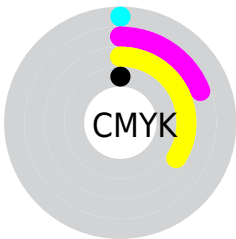
Distribution



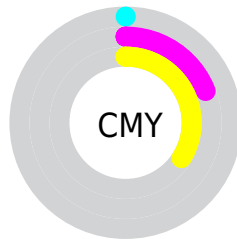
- Red (100%)
- Green (81%)
- Blue (66%)



- Red (100%)
- Yellow (92%)
- Blue (66%)



- Cyan (0%)
- Magenta (19%)
- Yellow (34%)
- Black (0%)





- Cyan (0%)
- Magenta (19%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.2298, 0.3802, 0.3686 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 68.2298, 0.3802, 0.3686 by changing the saturation by 10% instead.


 68.2298, 0.3802,
0.3686


 68.2298, 0.3802,
0.3686


454.3098, 0.3485,
0.3509

 50.0847, 0.3875,
0.3724


 116.6808, 0.3691,
0.3626

 35.4807, 0.3965,
0.3770


 147.7556, 0.3648,
0.3603

 24.0334, 0.4080,
0.3825

183.9090, 0.3612,
0.3582

 15.3584, 0.4228,
0.3894

225.5254, 0.3579,
0.3564

 9.0713, 0.4428,
0.3977

272.9893, 0.3551,
0.3548

 4.7877, 0.4707,
0.4077

326.6851, 0.3527,

 2.1233, 0.5319,

0.3534

0.4347

386.9971, 0.3504,
0.3521

0.6777, 0.5824,
0.4176

0.0000, 0.0000,
0.0000

68.2298, 0.3802,
0.3686

68.2298, 0.3802,
0.3686

60.7739, 0.4063,
0.3803

76.5098, 0.3570,
0.3565

54.1049, 0.4351,
0.3908

85.6306, 0.3367,
0.3447

48.1962, 0.4656,
0.3990

95.6203, 0.3192,
0.3334

43.0159, 0.4963,
0.4036

99.9993, 0.3127,
0.3290

■ 38.5289, 0.5252,
0.4032

■ 34.6957, 0.5499,
0.3973

■ 32.7228, 0.5623,
0.3917

Harmonies

Analogous

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



68.2298, 0.3789, 0.3415



68.2298, 0.3802, 0.3686



68.2298, 0.3626, 0.3873

Triad

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



68.2298, 0.3802, 0.3686



68.2298, 0.2679, 0.3437



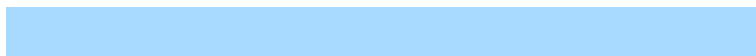
68.2298, 0.2908, 0.2749

Complementary

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



68.2298, 0.3802, 0.3686



65.1549, 0.2585, 0.2855

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.



68.2298, 0.2634, 0.2730



68.2298, 0.3802, 0.3686



68.2298, 0.2508, 0.3105

Square

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



68.2298, 0.3802, 0.3686



68.2298, 0.2973, 0.3741



68.2298, 0.2492, 0.2852



68.2298, 0.3256, 0.2894

Rectangle

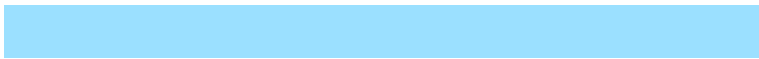
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.2298, 0.3802, 0.3686



68.2298, 0.3431, 0.3914



68.2298, 0.2492, 0.2852



68.2298, 0.2804, 0.2727

Sweetspot

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



68.2330, 0.3802, 0.3686



89.6448, 0.3292, 0.3400



54.2843, 0.3480, 0.2786



18.8914, 0.3317, 0.3416



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.



68.2330, 0.3802, 0.3686



63.0187, 0.3979, 0.3767



91.9584, 0.3661, 0.4093



19.2930, 0.3283, 0.3394



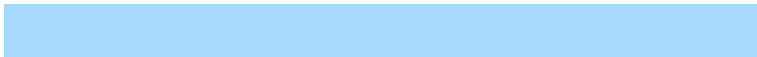
17.3838, 0.5595, 0.3940



1.9054, 0.5397, 0.4097

Inverse Universe

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



65.1549, 0.2585, 0.2855



59.5010, 0.2477, 0.2750



45.7328, 0.2517, 0.2335



19.0748, 0.2979, 0.3184



14.4292, 0.1831, 0.1790



1.6225, 0.1882, 0.1975

Previews

White Background



This preview shows how the Yxy color 68.2298, 0.3802, 0.3686 looks on a white background.

Color Contrast Check

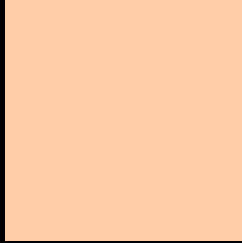
Large Text (above 18pt) WCAG AA × Fail

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 68.2298, 0.3802, 0.3686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

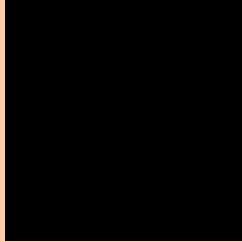
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.2298, 0.3802, 0.3686

Background



This preview shows how black text looks on a background with the Yxy color 68.2298, 0.3802, 0.3686.



This preview shows how white text looks on a background with the Yxy color 68.2298, 0.3802, 0.3686.

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

68.2298, 0.3802, 0.3686

Protanopia

68.2374, 0.3537, 0.3767

Deuteranopia

68.3354, 0.3782, 0.3698



Tritanopia

68.4074, 0.3445, 0.3158

Trichromacy



Original Color

68.2298, 0.3802, 0.3686

Protanomaly

68.2044, 0.3624, 0.3736

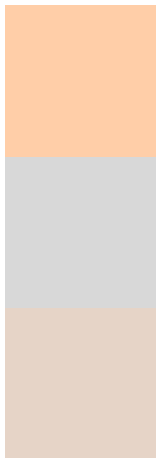
Deuteranomaly

68.5236, 0.3790, 0.3697

Tritanomaly

68.0491, 0.3576, 0.3343

Monochromacy



Original Color

68.2298, 0.3802, 0.3686

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

68.0335, 0.3355, 0.3433

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.2298, 0.3802, 0.3686 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, 206, 168)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 168)  
}
```

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, 206, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 168) }
```

Border

The CSS property to change the border of an element to Yxy 68.2298, 0.3802, 0.3686 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, 206, 168) }
```

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

```
.border{ border-color:rgb(255, 206, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 206, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 168);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 68.2298, 0.3802, 0.3686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 206, 168) }
```

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

```
.background{ background-color: rgb(255,  
206, 168) }
```

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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