

Converting Colors

Yxy(68.0882, 0.3814, 0.3700)

Have a look what the booklet for
Yxy(68.0882, 0.3814, 0.3700)
contains.

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Color

Yxy(68.1558, 0.3817, 0.3706)

Conversions

Conversions Part 1

Format	Color
Hex	FFCEA6
RGB	255, 206, 166
RGB Percent	100%, 81%, 65%
CMY	0.0000, 0.1921, 0.3488
CMYK	0.00, 0.19, 0.35, 0.00
HSL	27°, 100%, 83%
HSV	27°, 35%, 100%
XYZ	70.1972, 68.1558, 45.5537
YIQ	216.0910, 42.0440, -2.0520

Conversions

Conversions Part 2

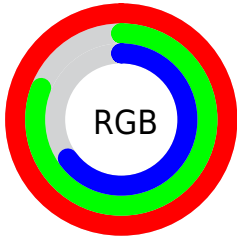
Format	Color
R _Y B	255, 239, 166
Decimal	16764582
CIE Lab	86.08, 11.94, 26.42
CIE LCh	86, 28.995, 65.686
Yxy	68.1558, 0.3817, 0.3706
Android (android.graphics.Color)	4294954662 (0xFFFFCEA6)
YUV	216.0910, -24.6949, 34.1232
Hunter-Lab	82.5565, 7.3032, 25.0741

Details

The Yxy color **68.1558, 0.3817, 0.3706** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **63.9542, 0.2571, 0.2831**, and the grayscale version is **68.8886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0005, 0.3327, 0.3621**, and **35.5417, 0.3982, 0.3795** is the 20% darker color. If you saturate the color by 10%, you get **60.8503, 0.4077, 0.3826**, and if you desaturate by 10%, it is **76.2576, 0.3585, 0.3582**.

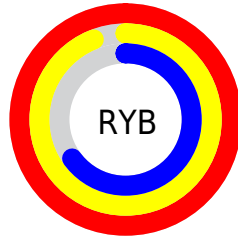
Distribution



Red (100%)

Green (81%)

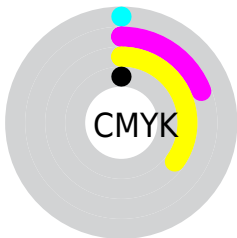
Blue (65%)



Red (100%)

Yellow (94%)

Blue (65%)

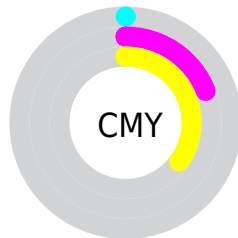


Cyan (0%)

Magenta (19%)

Yellow (35%)

Black (0%)



Cyan (0%)


Magenta (19%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.1558, 0.3817, 0.3706 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 68.1558, 0.3817, 0.3706 by changing the saturation by 10% instead.

 68.1558, 0.3817,
0.3706

 68.1558, 0.3817,
0.3706

454.0478, 0.3493,
0.3520

 50.0245, 0.3892,
0.3746


 116.5750, 0.3704,
0.3643

 35.4329, 0.3984,
0.3794


 147.6317, 0.3660,
0.3618

 23.9965, 0.4100,
0.3852


183.7656, 0.3622,
0.3597

 15.3310, 0.4251,
0.3924

225.3612, 0.3590,
0.3578

 9.0520, 0.4454,
0.4011

272.8028, 0.3561,
0.3561

 4.7751, 0.4734,
0.4114

326.4749, 0.3536,

 2.1159, 0.5387,

0.3546

0.4421

386.7617, 0.3513,
0.3532

0.6736, 0.5812,
0.4188

0.0000, 0.0000,
0.0000

68.1558, 0.3817,
0.3706

68.1558, 0.3817,
0.3706

60.8503, 0.4077,
0.3826

76.2576, 0.3585,
0.3582

54.3047, 0.4363,
0.3933

85.1714, 0.3381,
0.3461

48.4937, 0.4663,
0.4015

94.9243, 0.3205,
0.3344

43.3863, 0.4964,
0.4060

99.9997, 0.3127,
0.3290

■ 38.9487, 0.5244,
0.4054

■ 35.1420, 0.5481,
0.3993

■ 33.4175, 0.5587,
0.3946

Harmonies

Analogous

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



68.1558, 0.3812, 0.3430



68.1558, 0.3817, 0.3706



68.1558, 0.3629, 0.3894

Triad

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



68.1558, 0.3817, 0.3706



68.1558, 0.2657, 0.3426



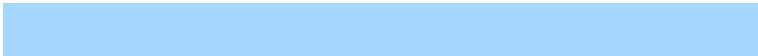
68.1558, 0.2915, 0.2739

Complementary

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



68.1558, 0.3817, 0.3706



63.9542, 0.2571, 0.2831

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.



68.1558, 0.2629, 0.2713



68.1558, 0.3817, 0.3706



68.1558, 0.2487, 0.3087

Square

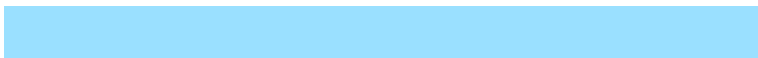
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.1558, 0.3817, 0.3706



68.1558, 0.2955, 0.3744



68.1558, 0.2478, 0.2831



68.1558, 0.3274, 0.2892

Rectangle

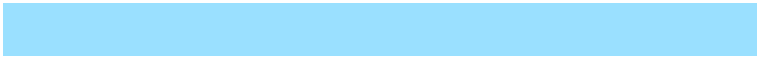
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.1558, 0.3817, 0.3706



68.1558, 0.3426, 0.3931



68.1558, 0.2478, 0.2831



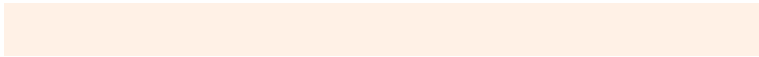
68.1558, 0.2808, 0.2715

Sweetspot

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



68.1590, 0.3817, 0.3706



89.8288, 0.3292, 0.3403



53.5305, 0.3490, 0.2775



18.9358, 0.3317, 0.3419



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.



68.1590, 0.3817, 0.3706



62.8788, 0.4000, 0.3792



91.8084, 0.3673, 0.4111



19.3306, 0.3283, 0.3397



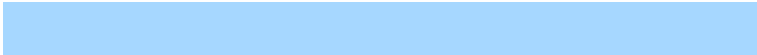
17.7498, 0.5559, 0.3968



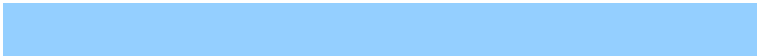
1.9426, 0.5365, 0.4122

Inverse Universe

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



63.9542, 0.2571, 0.2831



58.0795, 0.2459, 0.2718



44.8283, 0.2501, 0.2310



19.0366, 0.2979, 0.3181



13.9454, 0.1819, 0.1747



1.5761, 0.1872, 0.1937

Previews

White Background



This preview shows how the Yxy color 68.1558, 0.3817, 0.3706 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 68.1558, 0.3817, 0.3706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

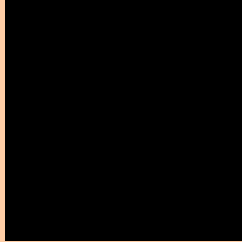
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.1558, 0.3817, 0.3706

Background



This preview shows how black text looks on a background with the Yxy color 68.1558, 0.3817, 0.3706.



This preview shows how white text looks on a background with the Yxy color 68.1558, 0.3817, 0.3706.

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

68.1558, 0.3817, 0.3706

Protanopia

68.1612, 0.3551, 0.3790

Deuteranopia

68.2615, 0.3798, 0.3719



Tritanopia

67.9396, 0.3447, 0.3148

Trichromacy



Original Color

68.1558, 0.3817, 0.3706

Protanomaly

68.1287, 0.3638, 0.3758

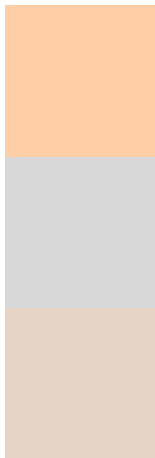
Deuteranomaly

68.4497, 0.3806, 0.3718

Tritanomaly

68.0031, 0.3584, 0.3353

Monochromacy



Original Color

68.1558, 0.3817, 0.3706

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

67.9872, 0.3362, 0.3444

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.1558, 0.3817, 0.3706 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, 166)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 166)  
}
```

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, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 166) }
```

Border

The CSS property to change the border of an element to Yxy 68.1558, 0.3817, 0.3706 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, 166) }
```

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

```
.border{ border-color:rgb(255, 206, 166) }
```

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, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 166);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 68.1558, 0.3817, 0.3706 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, 166) }
```

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

```
.background{ background-color: rgb(255,  
206, 166) }
```

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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