

Converting Colors

$Y_{xy}(80.0638, 0.4170, 0.3608)$

Have a look what the booklet for
Yxy(80.0638, 0.4170, 0.3608)
contains.

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Color

Yxy(68.8259, 0.3775, 0.3665)

Conversions

Conversions Part 1

Format	Color
Hex	FFCFAB
RGB	255, 207, 171
RGB Percent	100%, 81%, 67%
CMY	0.0002, 0.1881, 0.3294
CMYK	0.00, 0.19, 0.33, 0.00
HSL	26°, 100%, 84%
HSV	26°, 33%, 100%
XYZ	70.8916, 68.8259, 48.0748
YIQ	217.2480, 40.1640, -1.0200

Conversions

Conversions Part 2

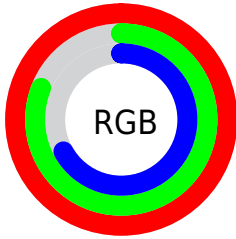
Format	Color
R _Y B	255, 234, 171
Decimal	16764843
CIE Lab	86.42, 11.99, 24.29
CIE LCh	86, 27.085, 63.733
Yxy	68.8259, 0.3775, 0.3665
Android (android.graphics.Color)	4294954923 (0xFFFFCFAB)
YUV	217.2480, -22.8003, 33.1085
Hunter-Lab	82.9614, 7.3483, 23.7153

Details

The Yxy color **68.8259, 0.3775, 0.3665** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **66.5030, 0.2605, 0.2880**, and the grayscale version is **69.7054, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2710, 0.3298, 0.3572**, and **35.9847, 0.3926, 0.3743** is the 20% darker color. If you saturate the color by 10%, you get **61.2166, 0.4035, 0.3781**, and if you desaturate by 10%, it is **77.2794, 0.3545, 0.3547**.

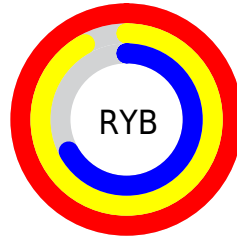
Distribution



Red (100%)

Green (81%)

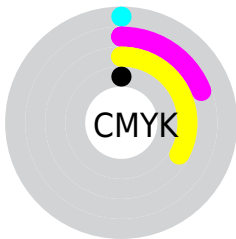
Blue (67%)



Red (100%)

Yellow (92%)

Blue (67%)

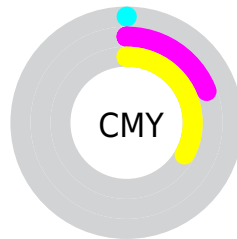


Cyan (0%)

Magenta (19%)

Yellow (33%)

Black (0%)



Cyan (0%)


Magenta (19%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.8259, 0.3775, 0.3665 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 68.8259, 0.3775, 0.3665 by changing the saturation by 10% instead.

 68.8259, 0.3775,
0.3665

 68.8259, 0.3775,
0.3665


456.4167, 0.3471,
0.3498

 50.5699, 0.3845,
0.3701

 117.5329, 0.3669,
0.3608

 35.8665, 0.3932,
0.3745


148.7527, 0.3628,
0.3586

 24.3311, 0.4042,
0.3798


185.0625, 0.3592,
0.3566

 15.5794, 0.4184,
0.3863

226.8469, 0.3562,
0.3549

 9.2270, 0.4377,
0.3944

274.4901, 0.3535,
0.3534

 4.8896, 0.4647,
0.4042

328.3765, 0.3511,

 2.1826, 0.5187,

0.3521

0.4264

388.8906, 0.3490,
0.3509

0.7105, 0.5783,
0.4217

0.0000, 0.0000,
0.0000

68.8259, 0.3775,
0.3665

68.8259, 0.3775,
0.3665

61.2166, 0.4035,
0.3781

77.2794, 0.3545,
0.3547

54.4136, 0.4322,
0.3886

86.5944, 0.3346,
0.3431

48.3899, 0.4629,
0.3970

96.7993, 0.3173,
0.3321

43.1131, 0.4941,
0.4018

99.9919, 0.3127,
0.3290

■ 38.5475, 0.5237,
0.4019

■ 34.6533, 0.5494,
0.3965

■ 32.2739, 0.5646,
0.3899

Harmonies

Analogous

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



68.8259, 0.3757, 0.3405



68.8259, 0.3775, 0.3665



68.8259, 0.3611, 0.3845

Triad

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



68.8259, 0.3775, 0.3665



68.8259, 0.2704, 0.3439



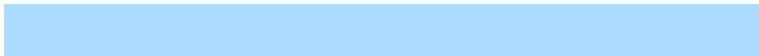
68.8259, 0.2910, 0.2769

Complementary

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



68.8259, 0.3775, 0.3665



66.5030, 0.2605, 0.2880

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.



68.8259, 0.2649, 0.2754



68.8259, 0.3775, 0.3665



68.8259, 0.2535, 0.3121

Square

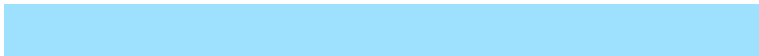
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.8259, 0.3775, 0.3665



68.8259, 0.2988, 0.3726



68.8259, 0.2516, 0.2875



68.8259, 0.3243, 0.2905

Rectangle

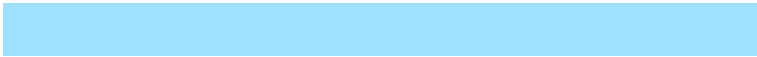
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.8259, 0.3775, 0.3665



68.8259, 0.3427, 0.3886



68.8259, 0.2516, 0.2875



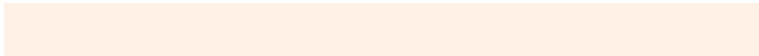
68.8259, 0.2811, 0.2749

Sweetspot

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



68.8291, 0.3775, 0.3665



89.5255, 0.3292, 0.3398



55.5432, 0.3452, 0.2791



18.8626, 0.3318, 0.3414



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.



68.8291, 0.3775, 0.3665



63.3861, 0.3956, 0.3748



91.3029, 0.3646, 0.4053



19.2687, 0.3284, 0.3392



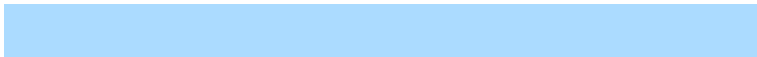
17.1526, 0.5618, 0.3922



1.8818, 0.5417, 0.4081

Inverse Universe

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



66.5030, 0.2605, 0.2880



60.6973, 0.2494, 0.2776



47.7139, 0.2543, 0.2391



19.0995, 0.2979, 0.3185



14.7503, 0.1838, 0.1817



1.6532, 0.1889, 0.2000

Previews

White Background



This preview shows how the Yxy color 68.8259, 0.3775, 0.3665 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 68.8259, 0.3775, 0.3665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

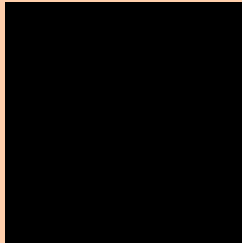
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.8259, 0.3775, 0.3665

Background



This preview shows how black text looks on a background with the Yxy color 68.8259, 0.3775, 0.3665.



This preview shows how white text looks on a background with the Yxy color 68.8259, 0.3775, 0.3665.

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

68.8259, 0.3775, 0.3665

Protanopia

69.0299, 0.3521, 0.3743

Deuteranopia

68.9347, 0.3756, 0.3677



Tritanopia

68.9297, 0.3436, 0.3158

Trichromacy



Original Color

68.8259, 0.3775, 0.3665

Protanomaly

68.9952, 0.3607, 0.3712

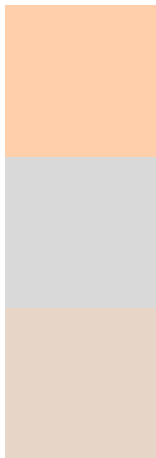
Deuteranomaly

69.1229, 0.3764, 0.3676

Tritanomaly

68.6159, 0.3558, 0.3332

Monochromacy



Original Color

68.8259, 0.3775, 0.3665

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

68.7476, 0.3354, 0.3432

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.8259, 0.3775, 0.3665 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, 171)` looks like.

```
.text, #text, p{  
    color:rgb(255, 207, 171)  
}
```

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, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 207, 171) }
```

Border

The CSS property to change the border of an element to Yxy 68.8259, 0.3775, 0.3665 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, 171) }
```

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

```
.border{ border-color:rgb(255, 207, 171) }
```

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, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 207, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 207, 171);  
box-shadow:4px 4px 4px 4px rgb(255, 207,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 68.8259, 0.3775, 0.3665 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, 171) }
```

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

```
.background{ background-color: rgb(255,  
207, 171) }
```

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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