

Converting Colors

$Y_{xy}(103.9610, 0.4787, 0.3577)$

Have a look what the booklet for
Yxy(103.9610, 0.4787, 0.3577)
contains.

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Color

Yxy(68.5300, 0.3837, 0.3747)

Conversions

Conversions Part 1

Format	Color
Hex	FFCFA3
RGB	255, 207, 163
RGB Percent	100%, 81%, 64%
CMY	0.0000, 0.1883, 0.3607
CMYK	0.00, 0.19, 0.36, 0.00
HSL	29°, 100%, 82%
HSV	29°, 36%, 100%
XYZ	70.1760, 68.5300, 44.1869
YIQ	216.3360, 42.7320, -3.5080

Conversions

Conversions Part 2

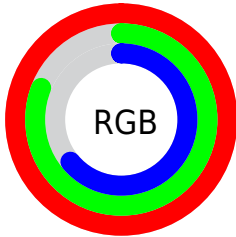
Format	Color
R_{YB}	255, 247, 163
Decimal	16764835
CIE _{Lab}	86.27, 11.09, 28.26
CIE _{LCh}	86, 30.354, 68.572
Yxy	68.5300, 0.3837, 0.3747
Android (android.graphics.Color)	4294954915 (0xFFFFCFA3)
YUV	216.3360, -26.2946, 33.9083
Hunter-Lab	82.7828, 6.4467, 26.3008

Details

The Yxy color **68.5300, 0.3837, 0.3747** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **61.6113, 0.2548, 0.2780**, and the grayscale version is **69.0673, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8420, 0.3345, 0.3651**, and **35.8005, 0.4006, 0.3847** is the 20% darker color. If you saturate the color by 10%, you get **61.5220, 0.4093, 0.3873**, and if you desaturate by 10%, it is **76.2568, 0.3606, 0.3616**.

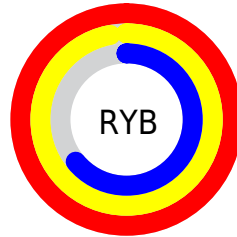
Distribution



Red (100%)

Green (81%)

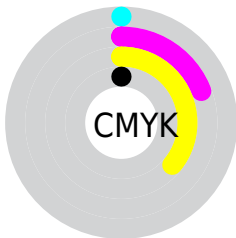
Blue (64%)



Red (100%)

Yellow (97%)

Blue (64%)

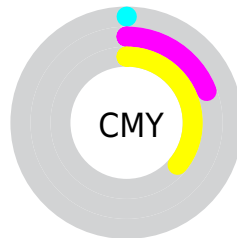


Cyan (0%)

Magenta (19%)

Yellow (36%)

Black (0%)



Cyan (0%)


Magenta (19%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.5300, 0.3837, 0.3747 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 68.5300, 0.3837, 0.3747 by changing the saturation by 10% instead.


 68.5300, 0.3837,
0.3747

 68.5300, 0.3837,
0.3747


455.3716, 0.3504,
0.3543

 50.3290, 0.3913,
0.3791


 117.1100, 0.3721,
0.3678

 35.6749, 0.4007,
0.3844


 148.2579, 0.3676,
0.3651

 24.1832, 0.4125,
0.3908

184.4901, 0.3638,
0.3627

 15.4696, 0.4278,
0.3986

226.1912, 0.3604,
0.3606

 9.1496, 0.4481,
0.4082

273.7455, 0.3574,
0.3587

 4.8389, 0.4759,
0.4193

327.5374, 0.3548,

 2.1531, 0.5447,

0.3571

0.4553

387.9513, 0.3525,
0.3556

0.6942, 0.5736,
0.4264

0.0000, 0.0000,
0.0000

68.5300, 0.3837,
0.3747

68.5300, 0.3837,
0.3747

61.5220, 0.4093,
0.3873

76.2568, 0.3606,
0.3616

55.2221, 0.4370,
0.3985

84.7393, 0.3402,
0.3486

49.5995, 0.4658,
0.4070

93.9947, 0.3224,
0.3362

44.6257, 0.4943,
0.4116

100.0000, 0.3127,
0.3290

■ 40.2693, 0.5205,
0.4110

■ 36.4942, 0.5424,
0.4048

■ 35.1546, 0.5502,
0.4014

Harmonies

Analogous

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



68.5300, 0.3853, 0.3464



68.5300, 0.3837, 0.3747



68.5300, 0.3623, 0.3931

Triad

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



68.5300, 0.3837, 0.3747



68.5300, 0.2613, 0.3397



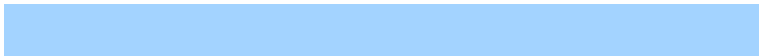
68.5300, 0.2939, 0.2726

Complementary

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



68.5300, 0.3837, 0.3747



61.6113, 0.2548, 0.2780

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.



68.5300, 0.2631, 0.2685



68.5300, 0.3837, 0.3747



68.5300, 0.2452, 0.3046

Square

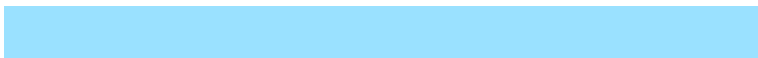
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.5300, 0.3837, 0.3747



68.5300, 0.2913, 0.3738



68.5300, 0.2459, 0.2792



68.5300, 0.3317, 0.2896

Rectangle

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



68.5300, 0.3837, 0.3747



68.5300, 0.3404, 0.3960



68.5300, 0.2459, 0.2792



68.5300, 0.2825, 0.2696

Sweetspot

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



68.5254, 0.3837, 0.3747



89.3351, 0.3309, 0.3422



52.2181, 0.3535, 0.2787



18.8542, 0.3333, 0.3439



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.



68.5254, 0.3837, 0.3747



63.5970, 0.4012, 0.3835



93.4843, 0.3682, 0.4165



19.4197, 0.3282, 0.3404



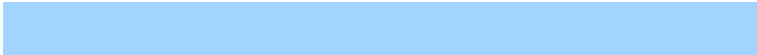
18.6639, 0.5475, 0.4035



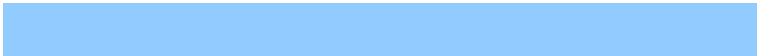
2.0344, 0.5291, 0.4181

Inverse Universe

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



61.6113, 0.2548, 0.2780



55.7867, 0.2436, 0.2663



42.3115, 0.2471, 0.2234



18.9467, 0.2979, 0.3173



12.8533, 0.1791, 0.1648



1.4704, 0.1847, 0.1847

Previews

White Background



This preview shows how the Yxy color 68.5300, 0.3837, 0.3747 looks on a white background.

Color Contrast Check

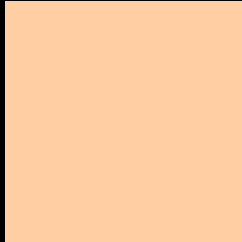
Large Text (above 18pt) WCAG AA × Fail

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 68.5300, 0.3837, 0.3747 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 68.5300, 0.3837, 0.3747

Background



This preview shows how black text looks on a background with the Yxy color 68.5300, 0.3837, 0.3747.



This preview shows how white text looks on a background with the Yxy color 68.5300, 0.3837, 0.3747.

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

68.5300, 0.3837, 0.3747

Protanopia

68.8907, 0.3586, 0.3831

Deuteranopia

68.3408, 0.3829, 0.3749



Tritanopia

68.4074, 0.3445, 0.3158

Trichromacy



Original Color

68.5300, 0.3837, 0.3747

Protanomaly

68.8669, 0.3673, 0.3798

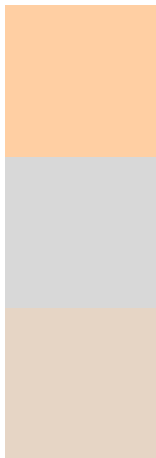
Deuteranomaly

68.3408, 0.3829, 0.3749

Tritanomaly

68.4313, 0.3589, 0.3374

Monochromacy



Original Color

68.5300, 0.3837, 0.3747

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

68.4427, 0.3368, 0.3466

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.5300, 0.3837, 0.3747 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, 163)` looks like.

```
.text, #text, p{  
    color:rgb(255, 207, 163)  
}
```

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, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 207, 163) }
```

Border

The CSS property to change the border of an element to Yxy 68.5300, 0.3837, 0.3747 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, 163) }
```

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

```
.border{ border-color:rgb(255, 207, 163) }
```

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, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 207, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 207, 163);  
box-shadow:4px 4px 4px 4px rgb(255, 207,  
163) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 68.5300, 0.3837, 0.3747$ 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, 163) }
```

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

```
.background{ background-color: rgb(255,  
207, 163) }
```

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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