

Converting Colors

$Y_{xy}(64.8202, 0.3824, 0.3608)$

Have a look what the booklet for
Yxy(64.8202, 0.3824, 0.3608)
contains.

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Color

Yxy(64.9340, 0.3826, 0.3615)

Conversions

Conversions Part 1

Format	Color
Hex	FFC7A8
RGB	255, 199, 168
RGB Percent	100%, 78%, 66%
CMY	0.0001, 0.2195, 0.3411
CMYK	0.00, 0.22, 0.34, 0.00
HSL	21°, 100%, 83%
HSV	21°, 34%, 100%
XYZ	68.7241, 64.9340, 45.9657
YIQ	212.2100, 43.3270, 2.2310

Conversions

Conversions Part 2

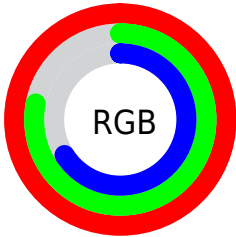
Format	Color
R _Y B	255, 216, 168
Decimal	16762792
CIE Lab	84.45, 15.80, 23.16
CIE LCh	84, 28.033, 55.693
Yxy	64.9340, 0.3826, 0.3615
Android (android.graphics.Color)	4294952872 (0xFFFFC7A8)
YUV	212.2100, -21.7955, 37.5268
Hunter-Lab	80.5816, 11.2159, 22.5867

Details

The Yxy color **64.9340, 0.3826, 0.3615** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **68.8401, 0.2596, 0.2938**, and the grayscale version is **66.1128, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1077, 0.3315, 0.3601**, and **33.3821, 0.4001, 0.3679** is the 20% darker color. If you saturate the color by 10%, you get **56.9295, 0.4107, 0.3711**, and if you desaturate by 10%, it is **73.9449, 0.3581, 0.3516**.

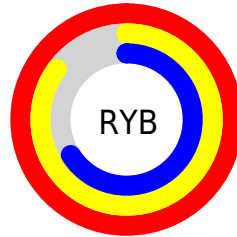
Distribution



Red (100%)

Green (78%)

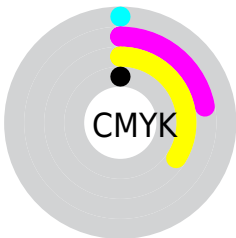
Blue (66%)



Red (100%)

Yellow (85%)

Blue (66%)

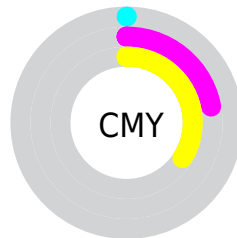


Cyan (0%)

Magenta (22%)

Yellow (34%)

Black (0%)



Cyan (0%)

Magenta (22%)

Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.9340, 0.3826, 0.3615 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 64.9340, 0.3826, 0.3615 by changing the saturation by 10% instead.


 64.9340, 0.3826,
0.3615


 64.9340, 0.3826,
0.3615


442.5548, 0.3494,
0.3471

 47.4076, 0.3904,
0.3646


 111.9550, 0.3709,
0.3567

 33.3580, 0.4000,
0.3682


 142.2183, 0.3664,
0.3548

 22.4008, 0.4123,
0.3726


177.4960, 0.3626,
0.3531

 14.1517, 0.4285,
0.3779

218.1726, 0.3592,
0.3516

 8.2263, 0.4506,
0.3841

264.6323, 0.3563,
0.3503

 4.2401, 0.4821,
0.3910


317.2597, 0.3537,

 1.8087, 0.5559,

0.3491


0.4159


376.4390, 0.3514,
0.3481


 0.4926, 0.6342,
0.3658

 0.0000, 0.0000,
0.0000

 64.9340, 0.3826,
0.3615

 64.9340, 0.3826,
0.3615


 56.9295, 0.4107,
0.3711


 73.9449, 0.3581,
0.3516

 49.8858, 0.4423,
0.3796

 83.9878, 0.3371,
0.3418

 43.7666, 0.4763,
0.3860

 95.0984, 0.3192,
0.3326

 38.5300, 0.5111,
0.3888

99.9941, 0.3127,
0.3290

■ 34.1297, 0.5438,
0.3869

■ 30.5140, 0.5715,
0.3797

■ 28.7191, 0.5850,
0.3737

Harmonies

Analogous

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



64.9340, 0.3753, 0.3331



64.9340, 0.3826, 0.3615



64.9340, 0.3700, 0.3837

Triad

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



64.9340, 0.3826, 0.3615



64.9340, 0.2751, 0.3537



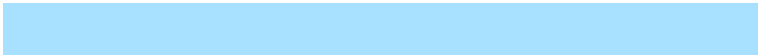
64.9340, 0.2813, 0.2724

Complementary

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



64.9340, 0.3826, 0.3615



68.8401, 0.2596, 0.2938

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.



64.9340, 0.2572, 0.2745



64.9340, 0.3826, 0.3615



64.9340, 0.2537, 0.3197

Square

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



64.9340, 0.3826, 0.3615



64.9340, 0.3073, 0.3812



64.9340, 0.2474, 0.2910



64.9340, 0.3152, 0.2836

Rectangle

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



64.9340, 0.3826, 0.3615



64.9340, 0.3526, 0.3912



64.9340, 0.2474, 0.2910



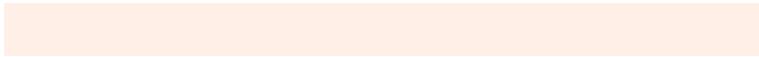
64.9340, 0.2719, 0.2715

Sweetspot

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



64.9371, 0.3826, 0.3615



88.4390, 0.3294, 0.3380



54.6774, 0.3416, 0.2717



18.6005, 0.3320, 0.3393



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.



64.9371, 0.3826, 0.3615



59.3250, 0.4016, 0.3682



87.5424, 0.3683, 0.4029



19.0467, 0.3285, 0.3375



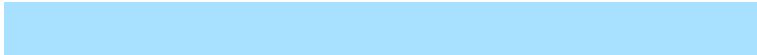
15.2653, 0.5820, 0.3761



1.6837, 0.5604, 0.3933

Inverse Universe

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



68.8401, 0.2596, 0.2938



63.7479, 0.2493, 0.2853



48.6178, 0.2529, 0.2423



19.3279, 0.2980, 0.3203



17.9551, 0.1910, 0.2076



1.9547, 0.1953, 0.2230

Previews

White Background



This preview shows how the Yxy color 64.9340, 0.3826, 0.3615 looks on a white background.

Color Contrast Check

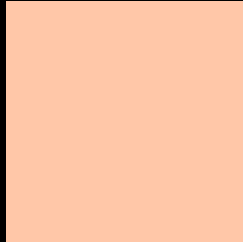
Large Text (above 18pt) WCAG AA × Fail

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 64.9340, 0.3826, 0.3615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

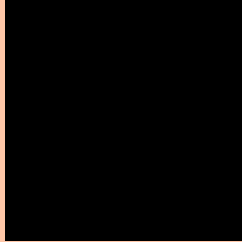
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.9340, 0.3826, 0.3615

Background



This preview shows how black text looks on a background with the Yxy color 64.9340, 0.3826, 0.3615.



This preview shows how white text looks on a background with the Yxy color 64.9340, 0.3826, 0.3615.

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

64.9340, 0.3826, 0.3615

Protanopia

65.3325, 0.3484, 0.3710

Deuteranopia

65.0947, 0.3747, 0.3676



Tritanopia

64.8937, 0.3505, 0.3147

Trichromacy



Original Color

64.9340, 0.3826, 0.3615

Protanomaly

65.2664, 0.3606, 0.3676

Deuteranomaly

65.1708, 0.3775, 0.3663

Tritanomaly

64.6349, 0.3624, 0.3312

Monochromacy



Original Color

64.9340, 0.3826, 0.3615

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

65.1051, 0.3369, 0.3413

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.9340, 0.3826, 0.3615 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, 199, 168)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 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, 199, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 168) }
```

Border

The CSS property to change the border of an element to Yxy 64.9340, 0.3826, 0.3615 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, 199, 168) }
```

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

```
.border{ border-color:rgb(255, 199, 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, 199, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 168);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 64.9340, 0.3826, 0.3615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 168) }
```

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

```
.background{ background-color: rgb(255,  
199, 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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