

Converting Colors

Yxy(64.8193, 0.3840, 0.3631)

Have a look what the booklet for
Yxy(64.8193, 0.3840, 0.3631)
contains.

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Color

Yxy(64.8600, 0.3843, 0.3636)

Conversions

Conversions Part 1

Format	Color
Hex	FFC7A6
RGB	255, 199, 166
RGB Percent	100%, 78%, 65%
CMY	0.0000, 0.2196, 0.3491
CMYK	0.00, 0.22, 0.35, 0.00
HSL	22°, 100%, 83%
HSV	22°, 35%, 100%
XYZ	68.5525, 64.8600, 44.9703
YIQ	211.9820, 43.9690, 1.6090

Conversions

Conversions Part 2

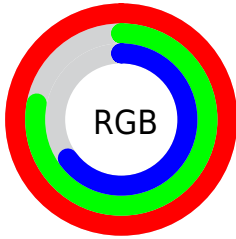
Format	Color
R _Y B	255, 218, 166
Decimal	16762790
CIE Lab	84.41, 15.59, 24.18
CIE LCh	84, 28.771, 57.187
Yxy	64.8600, 0.3843, 0.3636
Android (android.graphics.Color)	4294952870 (0xFFFFC7A6)
YUV	211.9820, -22.6691, 37.7268
Hunter-Lab	80.5357, 11.0029, 23.2681

Details

The Yxy color **64.8600, 0.3843, 0.3636** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **67.5564, 0.2582, 0.2913**, and the grayscale version is **65.9530, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0005, 0.3327, 0.3621**, and **33.3360, 0.4022, 0.3705** is the 20% darker color. If you saturate the color by 10%, you get **57.0158, 0.4123, 0.3735**, and if you desaturate by 10%, it is **73.6629, 0.3597, 0.3533**.

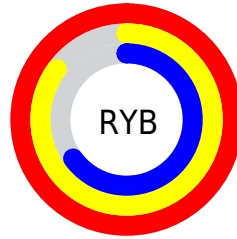
Distribution



Red (100%)

Green (78%)

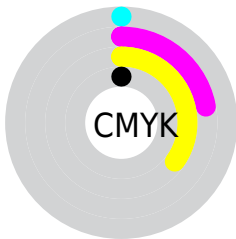
Blue (65%)



Red (100%)

Yellow (85%)

Blue (65%)

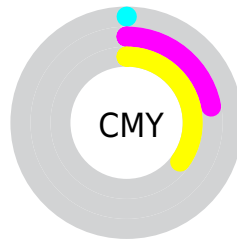


Cyan (0%)

Magenta (22%)

Yellow (35%)

Black (0%)



Cyan (0%)


Magenta (22%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.8600, 0.3843, 0.3636 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 64.8600, 0.3843, 0.3636 by changing the saturation by 10% instead.


 64.8600, 0.3843,
0.3636


 64.8600, 0.3843,
0.3636


442.2887, 0.3503,
0.3483

 47.3476, 0.3922,
0.3669


 111.8486, 0.3723,
0.3585

 33.3105, 0.4021,
0.3707


 142.0935, 0.3677,
0.3564

 22.3644, 0.4147,
0.3754


177.3513, 0.3638,
0.3546

 14.1249, 0.4312,
0.3810

218.0065, 0.3604,
0.3530

 8.2076, 0.4536,
0.3877

264.4435, 0.3574,
0.3517

 4.2281, 0.4854,
0.3949

317.0466, 0.3547,

 1.8019, 0.5648,

0.3504

0.4242

376.2002, 0.3524,
0.3493

0.4884, 0.6337,
0.3663

0.0000, 0.0000,
0.0000

64.8600, 0.3843,
0.3636

64.8600, 0.3843,
0.3636

57.0158, 0.4123,
0.3735

73.6629, 0.3597,
0.3533

50.1028, 0.4436,
0.3823

83.4650, 0.3386,
0.3432

44.0811, 0.4771,
0.3887

94.2953, 0.3206,
0.3335

38.9103, 0.5111,
0.3915

100.0000, 0.3127,
0.3290

■ 34.5462, 0.5429,
0.3894

■ 30.9390, 0.5696,
0.3820

■ 29.3694, 0.5811,
0.3768

Harmonies

Analogous

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



64.8600, 0.3779, 0.3346



64.8600, 0.3843, 0.3636



64.8600, 0.3704, 0.3859

Triad

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



64.8600, 0.3843, 0.3636



64.8600, 0.2727, 0.3526



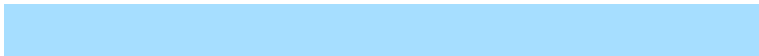
64.8600, 0.2820, 0.2713

Complementary

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



64.8600, 0.3843, 0.3636



67.5564, 0.2582, 0.2913

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.



64.8600, 0.2567, 0.2727



64.8600, 0.3843, 0.3636



64.8600, 0.2515, 0.3177

Square

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



64.8600, 0.3843, 0.3636



64.8600, 0.3053, 0.3816



64.8600, 0.2458, 0.2888



64.8600, 0.3170, 0.2834

Rectangle

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



64.8600, 0.3843, 0.3636



64.8600, 0.3521, 0.3931



64.8600, 0.2458, 0.2888



64.8600, 0.2722, 0.2701

Sweetspot

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



64.8575, 0.3843, 0.3636



88.6537, 0.3294, 0.3383



53.8170, 0.3438, 0.2717



18.6523, 0.3320, 0.3397



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

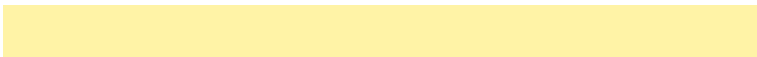
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.8575, 0.3843, 0.3636



59.2013, 0.4038, 0.3707



88.1914, 0.3692, 0.4059



19.0906, 0.3285, 0.3379



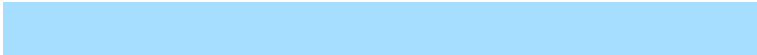
15.6073, 0.5781, 0.3792



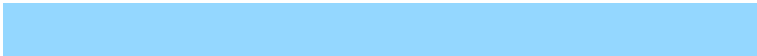
1.7204, 0.5567, 0.3962

Inverse Universe

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



67.5564, 0.2582, 0.2913



62.2478, 0.2476, 0.2822



47.1040, 0.2510, 0.2381



19.2824, 0.2979, 0.3200



17.2810, 0.1896, 0.2024



1.8920, 0.1940, 0.2184

Previews

White Background



This preview shows how the Yxy color 64.8600, 0.3843, 0.3636 looks on a white background.

Color Contrast Check

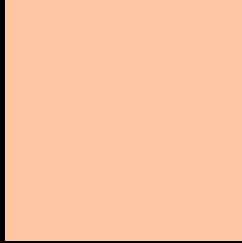
Large Text (above 18pt) WCAG AA × Fail

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 64.8600, 0.3843, 0.3636 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 64.8600, 0.3843, 0.3636

Background



This preview shows how black text looks on a background with the Yxy color 64.8600, 0.3843, 0.3636.



This preview shows how white text looks on a background with the Yxy color 64.8600, 0.3843, 0.3636.

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

64.8600, 0.3843, 0.3636

Protanopia

65.2168, 0.3506, 0.3744

Deuteranopia

64.7318, 0.3774, 0.3686



Tritanopia

64.8443, 0.3513, 0.3157

Trichromacy



Original Color

64.8600, 0.3843, 0.3636

Protanomaly

65.1524, 0.3629, 0.3709

Deuteranomaly

64.8139, 0.3802, 0.3672

Tritanomaly

64.5901, 0.3632, 0.3323

Monochromacy



Original Color

64.8600, 0.3843, 0.3636

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

65.0598, 0.3376, 0.3424

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.8600, 0.3843, 0.3636 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, 166)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 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, 199, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 166) }
```

Border

The CSS property to change the border of an element to Yxy 64.8600, 0.3843, 0.3636 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, 166) }
```

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

```
.border{ border-color:rgb(255, 199, 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, 199, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 166);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 64.8600, 0.3843, 0.3636 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, 166) }
```

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

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