

# Converting Colors

$Y_{xy}(89.6757, 0.4661, 0.3520)$

Have a look what the booklet for  
Yxy(89.6757, 0.4661, 0.3520)  
contains.

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# Color

**Yxy(63.4202, 0.3870, 0.3626)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFC4A4
RGB	255, 196, 164
RGB Percent	100%, 77%, 64%
CMY	0.0000, 0.2314, 0.3569
CMYK	0.00, 0.23, 0.36, 0.00
HSL	21°, 100%, 82%
HSV	21°, 36%, 100%
XYZ	67.6879, 63.4202, 43.7960
YIQ	209.9930, 45.4360, 2.5560

# Conversions

## Conversions Part 2

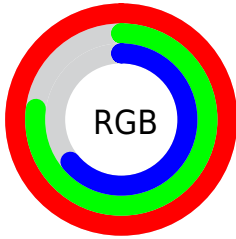
Format	Color
R <sub>Y</sub> B	255, 213, 164
Decimal	16762020
CIE Lab	83.66, 16.92, 24.20
CIE LCh	84, 29.529, 55.031
Yxy	63.4202, 0.3870, 0.3626
Android (android.graphics.Color)	4294952100 (0xFFFFC4A4)
YUV	209.9930, -22.6745, 39.4711
Hunter-Lab	79.6368, 12.3529, 23.1394

# Details

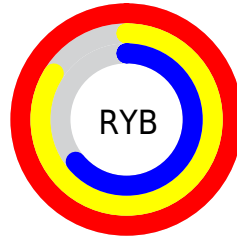
The Yxy color **63.4202, 0.3870, 0.3626** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **67.8916, 0.2573, 0.2924**, and the grayscale version is **64.5707, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6250, 0.3342, 0.3622**, and **32.3862, 0.4061, 0.3692** is the 20% darker color. If you saturate the color by 10%, you get **55.5349, 0.4158, 0.3720**, and if you desaturate by 10%, it is **72.3085, 0.3618, 0.3528**.

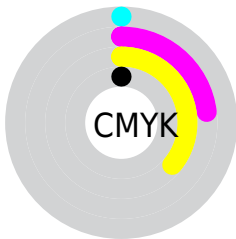
# Distribution



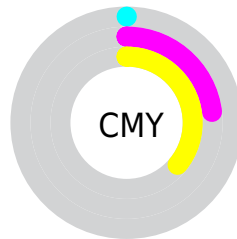
- Red (100%)
- Green (77%)
- Blue (64%)



- Red (100%)
- Yellow (84%)
- Blue (64%)



- Cyan (0%)
- Magenta (23%)
- Yellow (36%)
- Black (0%)




- Cyan (0%)
- Magenta (23%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.4202, 0.3870, 0.3626 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 63.4202, 0.3870, 0.3626 by changing the saturation by 10% instead.




 63.4202, 0.3870,  
0.3626


 63.4202, 0.3870,  
0.3626

437.0929, 0.3515,  
0.3478

 46.1812, 0.3953,  
0.3657

 109.7755, 0.3745,  
0.3577

 32.3889, 0.4057,  
0.3694


 139.6606, 0.3697,  
0.3557

 21.6587, 0.4189,  
0.3739


174.5299, 0.3656,  
0.3539

 13.6063, 0.4363,  
0.3791

214.7678, 0.3620,  
0.3524

 7.8474, 0.4600,  
0.3852

260.7586, 0.3589,  
0.3511

 3.9974, 0.4937,  
0.3913

312.8868, 0.3561,

 1.6721, 0.5798,


0.3499


0.4202

371.5368, 0.3537,  
0.3488


 0.4055, 0.6632,  
0.3368


 0.0000, 0.0000,  
0.0000


 63.4202, 0.3870,  
0.3626


 63.4202, 0.3870,  
0.3626


 55.5349, 0.4158,  
0.3720


 72.3085, 0.3618,  
0.3528

 48.6206, 0.4480,  
0.3801

 82.2409, 0.3403,  
0.3432

 42.6352, 0.4825,  
0.3858

 93.2492, 0.3219,  
0.3340

 37.5351, 0.5174,  
0.3879

100.0000, 0.3127,  
0.3290

■ 33.2729, 0.5498,  
0.3851

■ 29.7945, 0.5765,  
0.3771

■ 28.5141, 0.5863,  
0.3726

# Harmonies

## Analogous

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



63.4202, 0.3788, 0.3325



63.4202, 0.3870, 0.3626



63.4202, 0.3739, 0.3865

# Triad

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



63.4202, 0.3870, 0.3626



63.4202, 0.2735, 0.3560



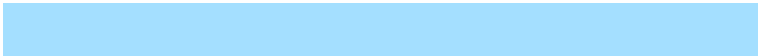
63.4202, 0.2787, 0.2691

# Complementary

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



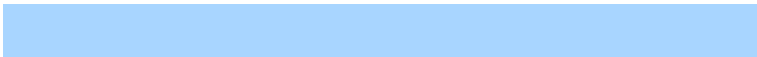
63.4202, 0.3870, 0.3626



67.8916, 0.2573, 0.2924

# 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.



63.4202, 0.2535, 0.2715



63.4202, 0.3870, 0.3626



63.4202, 0.2506, 0.3197

# Square

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



63.4202, 0.3870, 0.3626



63.4202, 0.3076, 0.3851



63.4202, 0.2436, 0.2891



63.4202, 0.3144, 0.2806



# Rectangle

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



63.4202, 0.3870, 0.3626



63.4202, 0.3556, 0.3949



63.4202, 0.2436, 0.2891



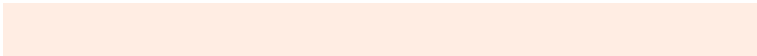
63.4202, 0.2688, 0.2682

# Sweetspot

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



63.4183, 0.3870, 0.3626



87.2628, 0.3313, 0.3388



53.1475, 0.3434, 0.2690



18.3615, 0.3338, 0.3400



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.



63.4183, 0.3870, 0.3626



57.5551, 0.4077, 0.3695



87.0586, 0.3710, 0.4063



19.0317, 0.3286, 0.3374



15.1518, 0.5834, 0.3750

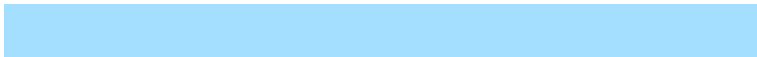


1.6714, 0.5616, 0.3923



# Inverse Universe

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



67.8916, 0.2573, 0.2924



62.6136, 0.2465, 0.2835



46.8151, 0.2497, 0.2375



19.3435, 0.2980, 0.3204



18.1903, 0.1915, 0.2093



1.9766, 0.1957, 0.2245



# Previews

## White Background



This preview shows how the Yxy color 63.4202, 0.3870, 0.3626 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

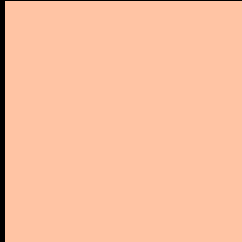
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.4202, 0.3870, 0.3626 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

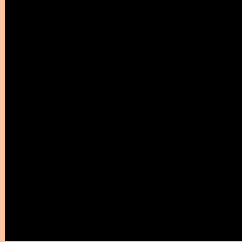
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.4202, 0.3870, 0.3626**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.4202, 0.3870, 0.3626.



This preview shows how white text looks on a background with the Yxy color 63.4202, 0.3870, 0.3626.

# 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

63.4202, 0.3870, 0.3626

### Protanopia

63.3862, 0.3505, 0.3726

### Deuteranopia

63.1860, 0.3772, 0.3691



## Tritanopia

63.3671, 0.3543, 0.3157

# Trichromacy



## Original Color

63.4202, 0.3870, 0.3626

## Protanomaly

63.3365, 0.3629, 0.3691

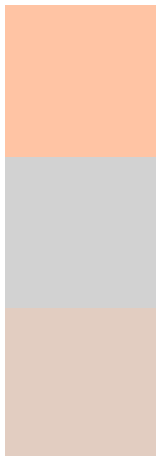
## Deuteranomaly

63.4477, 0.3809, 0.3675

## Tritanomaly

63.1176, 0.3664, 0.3323

# Monochromacy



## Original Color

63.4202, 0.3870, 0.3626

## Achromatopsia

64.4480, 0.3127, 0.3290

## Achromatomaly

63.6816, 0.3379, 0.3425

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.4202, 0.3870, 0.3626 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, 196, 164)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 164)  
}
```

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, 196, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 164) }
```

## Border

The CSS property to change the border of an element to Yxy 63.4202, 0.3870, 0.3626 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, 196, 164) }
```

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

```
.border{ border-color:rgb(255, 196, 164) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 196, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 164);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
164) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.4202, 0.3870, 0.3626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 196, 164) }
```

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

```
.background{ background-color: rgb(255,  
196, 164) }
```

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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