

# Converting Colors

$Y_{xy}(75.8131, 0.4261, 0.3523)$

Have a look what the booklet for  
Yxy(75.8131, 0.4261, 0.3523)  
contains.

<b>Yxy(63.6421, 0.3821, 0.3563)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(63.6421, 0.3821, 0.3563)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC4AA
RGB	255, 196, 170
RGB Percent	100%, 77%, 67%
CMY	0.0000, 0.2314, 0.3333
CMYK	0.00, 0.23, 0.33, 0.00
HSL	18°, 100%, 83%
HSV	18°, 33%, 100%
XYZ	68.2505, 63.6421, 46.7268
YIQ	210.6770, 43.5100, 4.4220

# Conversions

## Conversions Part 2

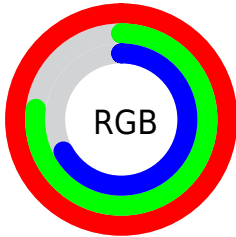
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 207, 170
Decimal	16762026
CIE Lab	83.78, 17.66, 21.18
CIE LCh	84, 27.572, 50.177
Yxy	63.6421, 0.3821, 0.3563
Android (android.graphics.Color)	4294952106 (0xFFFFC4AA)
YUV	210.6770, -20.0538, 38.8713
Hunter-Lab	79.7760, 13.1035, 21.1155

# Details

The Yxy color **63.6421, 0.3821, 0.3563** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **71.8275, 0.2615, 0.2997**, and the grayscale version is **65.0246, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9468, 0.3306, 0.3563**, and **32.5243, 0.3996, 0.3613** is the 20% darker color. If you saturate the color by 10%, you get **55.2399, 0.4111, 0.3646**, and if you desaturate by 10%, it is **73.1618, 0.3571, 0.3478**.

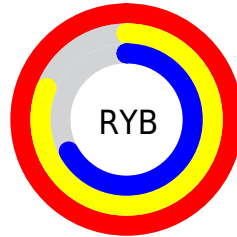
# Distribution



Red (100%)

Green (77%)

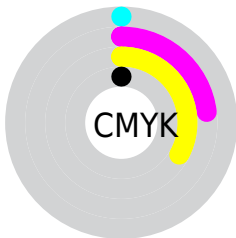
Blue (67%)



Red (100%)

Yellow (81%)

Blue (67%)

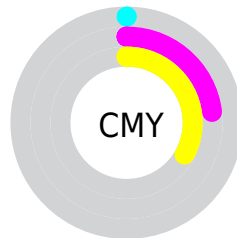


Cyan (0%)

Magenta (23%)

Yellow (33%)

Black (0%)



Cyan (0%)

Magenta (23%)


Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.6421, 0.3821, 0.3563 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 63.6421, 0.3821, 0.3563 by changing the saturation by 10% instead.




 63.6421, 0.3821,  
0.3563

 63.6421, 0.3821,  
0.3563


437.8961, 0.3489,  
0.3443

 46.3609, 0.3899,  
0.3588


 110.0953, 0.3704,  
0.3523

 32.5307, 0.3996,  
0.3618


140.0361, 0.3659,  
0.3507

 21.7672, 0.4121,  
0.3654

174.9656, 0.3621,  
0.3493

 13.6859, 0.4286,  
0.3696

215.2680, 0.3587,  
0.3481

 7.9025, 0.4512,  
0.3745

261.3279, 0.3558,  
0.3470

 4.0326, 0.4840,  
0.3795

313.5296, 0.3532,

 1.6918, 0.5584,

0.3460

0.3991

372.2575, 0.3510,  
0.3451

0.4184, 0.6645,  
0.3355

0.0000, 0.0000,  
0.0000

63.6421, 0.3821,  
0.3563

63.6421, 0.3821,  
0.3563

55.2399, 0.4111,  
0.3646

73.1618, 0.3571,  
0.3478

47.9307, 0.4442,  
0.3719

83.8590, 0.3359,  
0.3394

41.6615, 0.4803,  
0.3773

95.7662, 0.3180,  
0.3315

36.3822, 0.5176,  
0.3794

100.0000, 0.3127,  
0.3290

■ 32.0379, 0.5529,  
0.3771

■ 28.5673, 0.5824,  
0.3700

■ 26.6958, 0.5982,  
0.3633

# Harmonies

## Analogous

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



63.6421, 0.3713, 0.3278



63.6421, 0.3821, 0.3563



63.6421, 0.3731, 0.3799

# Triad

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



63.6421, 0.3821, 0.3563



63.6421, 0.2808, 0.3593



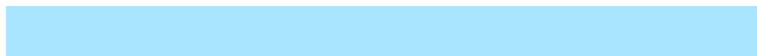
63.6421, 0.2763, 0.2723

# Complementary

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



63.6421, 0.3821, 0.3563



71.8275, 0.2615, 0.2997

# 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.



63.6421, 0.2547, 0.2770



63.6421, 0.3821, 0.3563



63.6421, 0.2571, 0.3259

# Square

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



63.6421, 0.3821, 0.3563



63.6421, 0.3137, 0.3841



63.6421, 0.2479, 0.2958



63.6421, 0.3086, 0.2811



# Rectangle

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



63.6421, 0.3821, 0.3563



63.6421, 0.3575, 0.3892



63.6421, 0.2479, 0.2958



63.6421, 0.2677, 0.2723

# Sweetspot

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



63.6358, 0.3821, 0.3563



87.6820, 0.3296, 0.3367



55.7028, 0.3372, 0.2690



18.4182, 0.3322, 0.3378



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.



63.6358, 0.3821, 0.3563



57.9088, 0.4010, 0.3619



85.3146, 0.3682, 0.3973



18.8920, 0.3287, 0.3363



14.1786, 0.5952, 0.3656

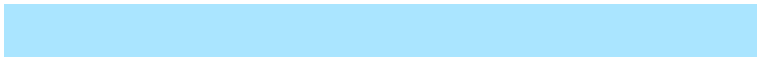


1.5637, 0.5731, 0.3831

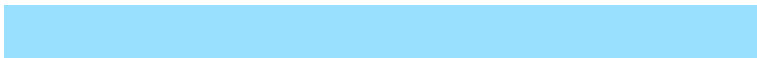


# Inverse Universe

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



71.8275, 0.2615, 0.2997



67.2158, 0.2518, 0.2928



51.3162, 0.2551, 0.2497



19.4897, 0.2980, 0.3216



20.4981, 0.1961, 0.2259



2.1891, 0.1997, 0.2390



# Previews

## White Background



This preview shows how the Yxy color 63.6421, 0.3821, 0.3563 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

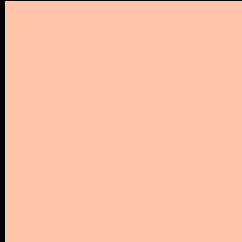
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.6421, 0.3821, 0.3563 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

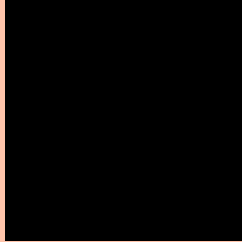
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.6421, 0.3821, 0.3563**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.6421, 0.3821, 0.3563.



This preview shows how white text looks on a background with the Yxy color 63.6421, 0.3821, 0.3563.

# 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

63.6421, 0.3821, 0.3563

### Protanopia

63.9512, 0.3450, 0.3668

### Deuteranopia

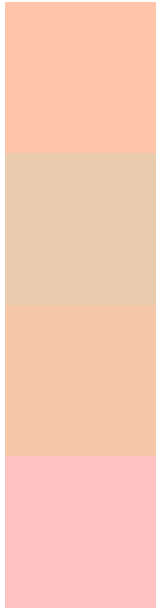
63.6925, 0.3713, 0.3637



## Tritanopia

63.8562, 0.3533, 0.3157

# Trichromacy



**Original Color**

63.6421, 0.3821, 0.3563

**Protanomaly**

63.5654, 0.3582, 0.3624

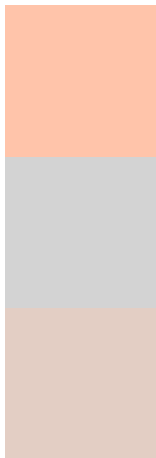
**Deuteranomaly**

63.4856, 0.3752, 0.3612

**Tritanomaly**

63.6938, 0.3637, 0.3302

# Monochromacy



**Original Color**

63.6421, 0.3821, 0.3563

**Achromatopsia**

65.1406, 0.3127, 0.3290

**Achromatomaly**

64.4590, 0.3363, 0.3402

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.6421, 0.3821, 0.3563 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, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 170)  
}
```

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, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 170) }
```

## Border

The CSS property to change the border of an element to Yxy 63.6421, 0.3821, 0.3563 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, 170) }
```

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

```
.border{ border-color:rgb(255, 196, 170) }
```

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, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
170) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.6421, 0.3821, 0.3563 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, 170) }
```

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

```
.background{ background-color: rgb(255,  
196, 170) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor