

# Converting Colors

$Y_{xy}(100.0000, 0.4657, 0.3476)$

Have a look what the booklet for  
Yxy(100.0000, 0.4657, 0.3476)  
contains.

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# Color

**Yxy(67.1462, 0.3741, 0.3562)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCBB1
RGB	255, 203, 177
RGB Percent	100%, 80%, 69%
CMY	0.0002, 0.2038, 0.3059
CMYK	0.00, 0.20, 0.31, 0.00
HSL	20°, 100%, 85%
HSV	20°, 31%, 100%
XYZ	70.5205, 67.1462, 50.8403
YIQ	215.5840, 39.3380, 2.9380

# Conversions

## Conversions Part 2

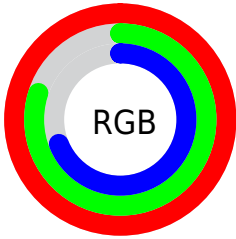
Format	Color
R <sub>Y</sub> B	255, 216, 177
Decimal	16763825
CIE <sub>Lab</sub>	85.58, 14.81, 19.97
CIE <sub>LCh</sub>	86, 24.868, 53.436
Y <sub>xy</sub>	67.1462, 0.3741, 0.3562
Android (android.graphics.Color)	4294953905 (0xFFFFCBB1)
YUV	215.5840, -19.0219, 34.5678
Hunter-Lab	81.9428, 10.2183, 20.5742

# Details

The Yxy color **67.1462, 0.3741, 0.3562** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **72.5703, 0.2653, 0.2999**, and the grayscale version is **68.4835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6632, 0.3256, 0.3503**, and **34.8204, 0.3895, 0.3625** is the 20% darker color. If you saturate the color by 10%, you get **58.6364, 0.4014, 0.3654**, and if you desaturate by 10%, it is **76.7313, 0.3506, 0.3469**.

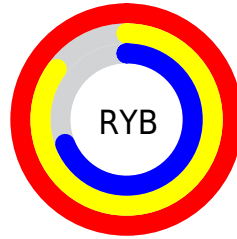
# Distribution



Red (100%)

Green (80%)

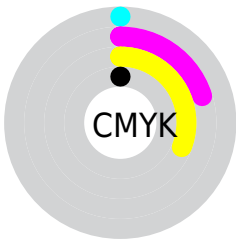
Blue (69%)



Red (100%)

Yellow (85%)

Blue (69%)

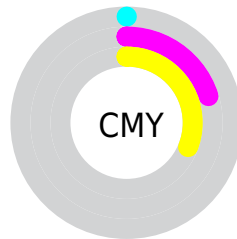


Cyan (0%)

Magenta (20%)

Yellow (31%)

Black (0%)



Cyan (0%)

Magenta (20%)


Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.1462, 0.3741, 0.3562 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 67.1462, 0.3741, 0.3562 by changing the saturation by 10% instead.




 67.1462, 0.3741,  
0.3562

 67.1462, 0.3741,  
0.3562

450.4650, 0.3450,  
0.3442

 49.2034, 0.3809,  
0.3588


 115.1299, 0.3639,  
0.3522

 34.7809, 0.3893,  
0.3619

145.9396, 0.3600,  
0.3505

 23.4941, 0.4000,  
0.3656


181.8071, 0.3566,  
0.3491

 14.9588, 0.4141,  
0.3702

223.1167, 0.3537,  
0.3479

 8.7905, 0.4335,  
0.3758

270.2530, 0.3511,  
0.3468

 4.6048, 0.4613,  
0.3824

323.6002, 0.3489,

 2.0173, 0.5113,

0.3458

0.3946

383.5427, 0.3468,  
0.3450

0.6175, 0.6069,  
0.3931

0.0000, 0.0000,  
0.0000

67.1462, 0.3741,  
0.3562

67.1462, 0.3741,  
0.3562

58.6364, 0.4014,  
0.3654

76.7313, 0.3506,  
0.3469

51.1536, 0.4325,  
0.3738

87.4190, 0.3305,  
0.3379

44.6597, 0.4668,  
0.3805

99.2472, 0.3136,  
0.3295

39.1102, 0.5027,  
0.3842

99.9920, 0.3127,  
0.3290

■ 34.4569, 0.5376,  
0.3837

■ 30.6461, 0.5682,  
0.3781

■ 27.7643, 0.5910,  
0.3689

# Harmonies

## Analogous

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



67.1462, 0.3664, 0.3310



67.1462, 0.3741, 0.3562



67.1462, 0.3644, 0.3761

# Triad

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



67.1462, 0.3741, 0.3562



67.1462, 0.2816, 0.3527



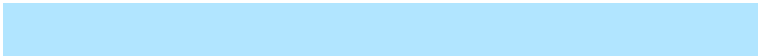
67.1462, 0.2832, 0.2787

# Complementary

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



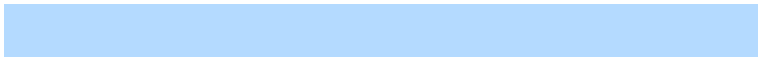
67.1462, 0.3741, 0.3562



72.5703, 0.2653, 0.2999

# 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.



67.1462, 0.2626, 0.2817



67.1462, 0.3741, 0.3562



67.1462, 0.2617, 0.3233

# Square

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



67.1462, 0.3741, 0.3562



67.1462, 0.3104, 0.3757



67.1462, 0.2549, 0.2974



67.1462, 0.3126, 0.2877

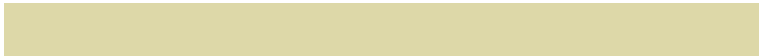


# Rectangle

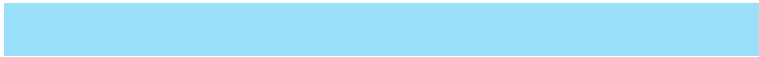
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.1462, 0.3741, 0.3562



67.1462, 0.3499, 0.3831



67.1462, 0.2549, 0.2974



67.1462, 0.2751, 0.2783

# Sweetspot

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



67.1493, 0.3741, 0.3562



89.2386, 0.3277, 0.3366



58.3539, 0.3368, 0.2765



18.7472, 0.3303, 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.



67.1493, 0.3741, 0.3562



61.5821, 0.3912, 0.3622



87.9105, 0.3626, 0.3940



18.9775, 0.3286, 0.3370



14.7568, 0.5881, 0.3713

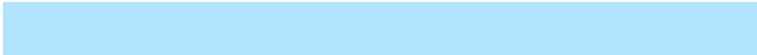


1.6282, 0.5661, 0.3887

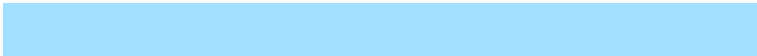


# Inverse Universe

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



72.5703, 0.2653, 0.2999



67.8085, 0.2556, 0.2928



53.3906, 0.2600, 0.2543



19.3999, 0.2980, 0.3209



19.0593, 0.1933, 0.2157



2.0570, 0.1973, 0.2301



# Previews

## White Background



This preview shows how the Yxy color 67.1462, 0.3741, 0.3562 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

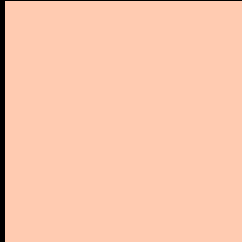
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.1462, 0.3741, 0.3562 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 67.1462, 0.3741, 0.3562**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.1462, 0.3741, 0.3562.



This preview shows how white text looks on a background with the Yxy color 67.1462, 0.3741, 0.3562.

# 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

67.1462, 0.3741, 0.3562

### Protanopia

67.4781, 0.3436, 0.3648

### Deuteranopia

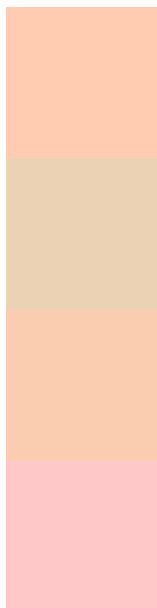
67.2337, 0.3684, 0.3609



## Tritanopia

66.9109, 0.3466, 0.3148

# Trichromacy



## Original Color

67.1462, 0.3741, 0.3562

## Protanomaly

67.2213, 0.3546, 0.3618

## Deuteranomaly

67.3065, 0.3711, 0.3596

## Tritanomaly

66.7387, 0.3567, 0.3291

# Monochromacy



## Original Color

67.1462, 0.3741, 0.3562

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

67.6758, 0.3335, 0.3389

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.1462, 0.3741, 0.3562 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, 203, 177)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 177)  
}
```

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, 203, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 67.1462, 0.3741, 0.3562 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, 203, 177) }
```

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

```
.border{ border-color:rgb(255, 203, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 203, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 177);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
177) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.1462, 0.3741, 0.3562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 203, 177) }
```

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

```
.background{ background-color: rgb(255,  
203, 177) }
```

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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