

# Converting Colors

$Yxy(67.0889, 0.3665, 0.3447)$

Have a look what the booklet for  
Yxy(67.0889, 0.3665, 0.3447)  
contains.

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# Color

**Yxy(67.0889, 0.3665, 0.3447)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCABB
RGB	255, 202, 187
RGB Percent	100%, 79%, 73%
CMY	0.0000, 0.2078, 0.2666
CMYK	0.00, 0.21, 0.27, 0.00
HSL	13°, 100%, 87%
HSV	13°, 27%, 100%
XYZ	71.3318, 67.0889, 56.2091
YIQ	216.1370, 36.4030, 6.5710

# Conversions

## Conversions Part 2

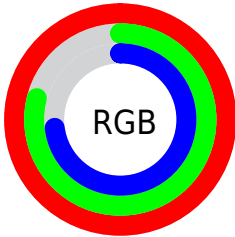
Format	Color
R <sub>Y</sub> B	255, 206, 187
Decimal	16763579
CIE Lab	85.55, 16.67, 14.64
CIE LCh	86, 22.188, 41.301
Yxy	67.0889, 0.3665, 0.3447
Android (android.graphics.Color)	4294953659 (0xFFFFCABB)
YUV	216.1370, -14.3645, 34.0829
Hunter-Lab	81.9078, 12.1133, 16.6478

# Details

The Yxy color **67.0889, 0.3665, 0.3447** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **80.1107, 0.2721, 0.3127**, and the grayscale version is **68.8505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2511, 0.3197, 0.3405**, and **34.7714, 0.3794, 0.3479** is the 20% darker color. If you saturate the color by 10%, you get **57.3594, 0.3944, 0.3509**, and if you desaturate by 10%, it is **78.2186, 0.3431, 0.3385**.

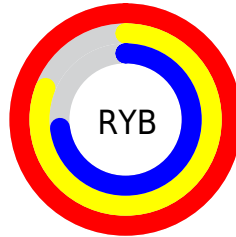
# Distribution



Red (100%)

Green (79%)

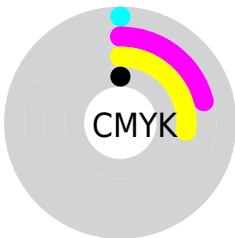
Blue (73%)



Red (100%)

Yellow (81%)

Blue (73%)

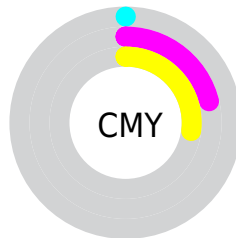


Cyan (0%)

Magenta (21%)

Yellow (27%)

Black (0%)



Cyan (0%)

Magenta (21%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.0889, 0.3665, 0.3447 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 67.0889, 0.3665, 0.3447 by changing the saturation by 10% instead.




 67.0889, 0.3665,  
0.3447

 67.0889, 0.3665,  
0.3447

450.2611, 0.3410,  
0.3379

 49.1569, 0.3725,  
0.3461


 115.0478, 0.3575,  
0.3424

 34.7439, 0.3799,  
0.3478


145.8434, 0.3541,  
0.3415

 23.4657, 0.3894,  
0.3499


181.6958, 0.3511,  
0.3407

 14.9378, 0.4020,  
0.3523

222.9891, 0.3486,  
0.3400

 8.7757, 0.4194,  
0.3552

270.1080, 0.3463,  
0.3394

 4.5952, 0.4450,  
0.3585

323.4367, 0.3443,

 2.0118, 0.4859,

0.3388

0.3614

383.3596, 0.3426,  
0.3383

0.6143, 0.6194,  
0.3806

0.0000, 0.0000,  
0.0000

67.0889, 0.3665,  
0.3447

67.0889, 0.3665,  
0.3447

57.3594, 0.3944,  
0.3509

78.2186, 0.3431,  
0.3385

48.9670, 0.4272,  
0.3567

90.7938, 0.3237,  
0.3327

41.8544, 0.4647,  
0.3614

100.0000, 0.3127,  
0.3290

35.9575, 0.5052,  
0.3641

■ 31.2062, 0.5460,  
0.3636

■ 27.5229, 0.5823,  
0.3593

■ 24.8189, 0.6095,  
0.3513

■ 24.1109, 0.6167,  
0.3485

# Harmonies

## Analogous

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



67.0889, 0.3536, 0.3216



67.0889, 0.3665, 0.3447



67.0889, 0.3641, 0.3650

# Triad

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



67.0889, 0.3665, 0.3447



67.0889, 0.2948, 0.3595



67.0889, 0.2776, 0.2836

# Complementary

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



67.0889, 0.3665, 0.3447



80.1107, 0.2721, 0.3127

# 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.



67.0889, 0.2634, 0.2911



67.0889, 0.3665, 0.3447



67.0889, 0.2730, 0.3347

# Square

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



67.0889, 0.3665, 0.3447



67.0889, 0.3221, 0.3753



67.0889, 0.2618, 0.3095



67.0889, 0.3015, 0.2874



# Rectangle

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



67.0889, 0.3665, 0.3447



67.0889, 0.3544, 0.3742



67.0889, 0.2618, 0.3095



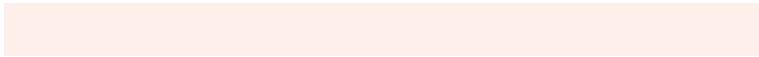
67.0889, 0.2716, 0.2848

# Sweetspot

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



67.0914, 0.3665, 0.3447



89.0258, 0.3261, 0.3334



63.1128, 0.3269, 0.2759



18.6364, 0.3289, 0.3343



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.



67.0914, 0.3665, 0.3447



61.7265, 0.3808, 0.3480



84.6877, 0.3578, 0.3781



18.6364, 0.3289, 0.3343



12.7771, 0.6141, 0.3506

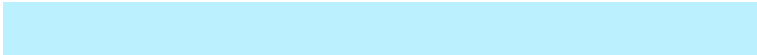


1.3973, 0.5930, 0.3673

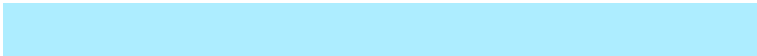


# Inverse Universe

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



80.1107, 0.2721, 0.3127



76.7215, 0.2644, 0.3089



62.0613, 0.2684, 0.2744



19.7617, 0.2980, 0.3236



25.2915, 0.2045, 0.2562



2.6223, 0.2071, 0.2654



# Previews

## White Background



This preview shows how the Yxy color 67.0889, 0.3665, 0.3447 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 67.0889, 0.3665, 0.3447 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

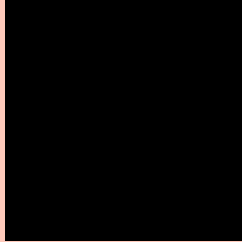
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 67.0889, 0.3665, 0.3447**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.0889, 0.3665, 0.3447.



This preview shows how white text looks on a background with the Yxy color 67.0889, 0.3665, 0.3447.

# 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

67.0889, 0.3665, 0.3447

### Protanopia

67.1267, 0.3343, 0.3514

### Deuteranopia

67.1003, 0.3582, 0.3504



## Tritanopia

66.9109, 0.3466, 0.3148

# Trichromacy



## Original Color

67.0889, 0.3665, 0.3447

## Protanomaly

67.0247, 0.3458, 0.3487

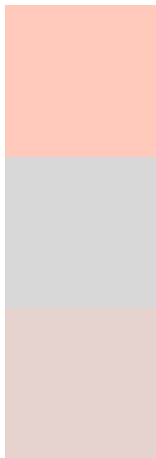
## Deuteranomaly

67.3476, 0.3617, 0.3492

## Tritanomaly

66.9282, 0.3535, 0.3250

# Monochromacy



## Original Color

67.0889, 0.3665, 0.3447

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

67.8193, 0.3313, 0.3356

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.0889, 0.3665, 0.3447 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, 202, 187)` looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 187)  
}
```

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, 202, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 67.0889, 0.3665, 0.3447 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, 202, 187) }
```

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

```
.border{ border-color:rgb(255, 202, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 202, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 187);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
187) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.0889, 0.3665, 0.3447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 202, 187) }
```

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

```
.background{ background-color: rgb(255,  
202, 187) }
```

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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