

# Converting Colors

$Yxy(71.0949, 0.3555, 0.3397)$

Have a look what the booklet for  
Yxy(71.0949, 0.3555, 0.3397)  
contains.

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# Color

**Yxy(70.9844, 0.3555, 0.3394)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFD1C7
RGB	255, 209, 199
RGB Percent	100%, 82%, 78%
CMY	0.0000, 0.1804, 0.2196
CMYK	0.00, 0.18, 0.22, 0.00
HSL	11°, 100%, 89%
HSV	11°, 22%, 100%
XYZ	74.3517, 70.9844, 63.8107
YIQ	221.6140, 30.6260, 6.6420

# Conversions

## Conversions Part 2

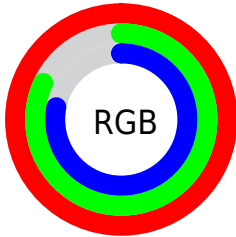
Format	Color
R <sub>Y</sub> B	255, 211, 199
Decimal	16765383
CIE Lab	87.48, 14.68, 11.04
CIE LCh	87, 18.368, 36.948
Yxy	70.9844, 0.3555, 0.3394
Android (android.graphics.Color)	4294955463 (0xFFFFD1C7)
YUV	221.6140, -11.1487, 29.2795
Hunter-Lab	84.2522, 10.0828, 14.0717

# Details

The Yxy color **70.9844, 0.3555, 0.3394** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **84.6608, 0.2792, 0.3183**, and the grayscale version is **72.8240, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.1613, 0.3667, 0.3410** is the 20% darker color. If you saturate the color by 10%, you get **60.2881, 0.3818, 0.3445**, and if you desaturate by 10%, it is **83.2319, 0.3337, 0.3345**.

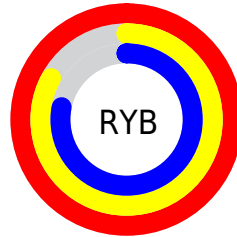
# Distribution



Red (100%)

Green (82%)

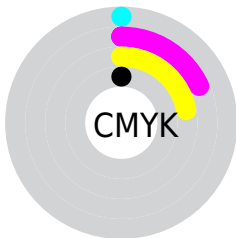
Blue (78%)



Red (100%)

Yellow (83%)

Blue (78%)

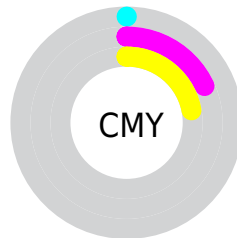


Cyan (0%)

Magenta (18%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (18%)


Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.9844, 0.3555, 0.3394 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 70.9844, 0.3555, 0.3394 by changing the saturation by 10% instead.




 70.9844, 0.3555,  
0.3394

 70.9844, 0.3555,  
0.3394

463.9989, 0.3354,  
0.3349

 52.3295, 0.3601,  
0.3403


120.6115, 0.3485,  
0.3379

 37.2678, 0.3659,  
0.3415


152.3525, 0.3458,  
0.3373

 25.4149, 0.3733,  
0.3428


189.2242, 0.3434,  
0.3368

 16.3864, 0.3830,  
0.3444

231.6112, 0.3414,  
0.3363

 9.7980, 0.3963,  
0.3464

279.8978, 0.3396,  
0.3359

 5.2652, 0.4157,  
0.3488

334.4683, 0.3381,

 2.4037, 0.4465,

0.3355

0.3513

395.7072, 0.3367,  
0.3352

0.8278, 0.5527,  
0.3868

0.0000, 1.0000,  
0.0000

70.9844, 0.3555,  
0.3394

70.9844, 0.3555,  
0.3394

60.2881, 0.3818,  
0.3445

83.2319, 0.3337,  
0.3345

51.0781, 0.4133,  
0.3494

97.0864, 0.3158,  
0.3299

43.2887, 0.4501,  
0.3537

100.0000, 0.3127,  
0.3290

36.8486, 0.4911,  
0.3565

■ 31.6799, 0.5340,  
0.3571

■ 27.6966, 0.5742,  
0.3546

■ 24.8014, 0.6063,  
0.3487

■ 23.1806, 0.6240,  
0.3428

# Harmonies

## Analogous

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



70.9844, 0.3435, 0.3205



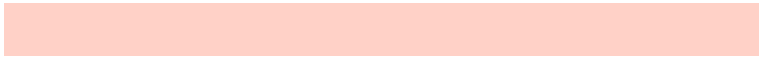
70.9844, 0.3555, 0.3394



70.9844, 0.3555, 0.3565

# Triad

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



70.9844, 0.3555, 0.3394



70.9844, 0.3014, 0.3560



70.9844, 0.2819, 0.2922

# Complementary

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



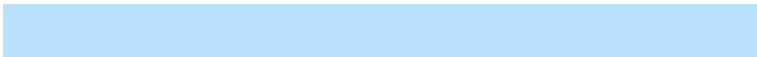
70.9844, 0.3555, 0.3394



84.6608, 0.2792, 0.3183

# 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.



70.9844, 0.2715, 0.3000



70.9844, 0.3555, 0.3394



70.9844, 0.2825, 0.3369

# Square

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



70.9844, 0.3555, 0.3394



70.9844, 0.3237, 0.3672



70.9844, 0.2718, 0.3161



70.9844, 0.3006, 0.2938



# Rectangle

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



70.9844, 0.3555, 0.3394



70.9844, 0.3488, 0.3646



70.9844, 0.2718, 0.3161



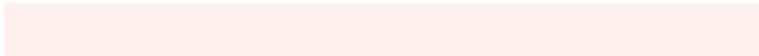
70.9844, 0.2773, 0.2937

# Sweetspot

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



70.9854, 0.3555, 0.3394



89.9037, 0.3244, 0.3321



68.7373, 0.3219, 0.2828



19.0648, 0.3255, 0.3324



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.



70.9854, 0.3555, 0.3394



66.4841, 0.3655, 0.3414



85.5651, 0.3497, 0.3665



18.5118, 0.3290, 0.3333



12.2630, 0.6217, 0.3446

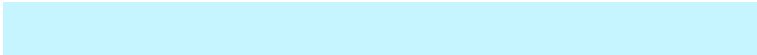


1.3301, 0.6019, 0.3603

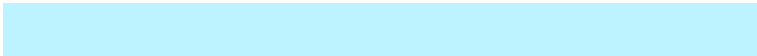


# Inverse Universe

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



84.6608, 0.2792, 0.3183



82.1925, 0.2733, 0.3162



69.3292, 0.2770, 0.2884



19.8967, 0.2980, 0.3246



27.9110, 0.2085, 0.2707



2.8553, 0.2106, 0.2781



# Previews

## White Background



This preview shows how the Yxy color 70.9844, 0.3555, 0.3394 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

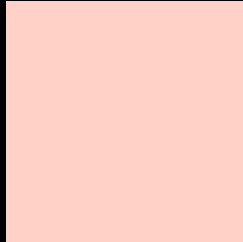
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.9844, 0.3555, 0.3394 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

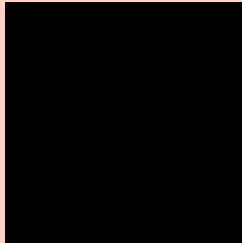
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 70.9844, 0.3555, 0.3394**

## Background



This preview shows how black text looks on a background with the Yxy color 70.9844, 0.3555, 0.3394.

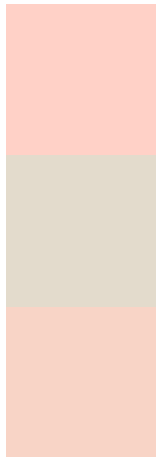


This preview shows how white text looks on a background with the Yxy color 70.9844, 0.3555, 0.3394.

# 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

70.9844, 0.3555, 0.3394

### Protanopia

71.3536, 0.3287, 0.3454

### Deuteranopia

71.1206, 0.3502, 0.3437



## Tritanopia

71.1061, 0.3392, 0.3149

# Trichromacy



**Original Color**

70.9844, 0.3555, 0.3394

**Protanomaly**

70.8697, 0.3382, 0.3430

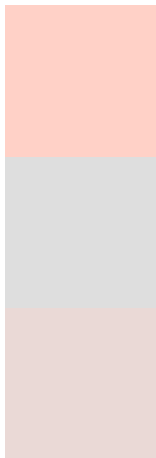
**Deuteranomaly**

71.1750, 0.3527, 0.3426

**Tritanomaly**

71.1758, 0.3451, 0.3240

# Monochromacy



**Original Color**

70.9844, 0.3555, 0.3394

**Achromatopsia**

73.0461, 0.3127, 0.3290

**Achromatomaly**

71.9732, 0.3272, 0.3322

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.9844, 0.3555, 0.3394 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, 209, 199)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 199)  
}
```

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, 209, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 70.9844, 0.3555, 0.3394 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, 209, 199) }
```

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

```
.border{ border-color:rgb(255, 209, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 209, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 209, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 209, 199); box-shadow:4px 4px 4px 4px rgb(255, 209, 199) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.9844, 0.3555, 0.3394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 209, 199) }
```

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

```
.background{ background-color: rgb(255,  
209, 199) }
```

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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