

# Converting Colors

$Y_{xy}(71.1587, 0.3547, 0.3387)$

Have a look what the booklet for  
Yxy(71.1587, 0.3547, 0.3387)  
contains.

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# Color

**Yxy(71.0311, 0.3547, 0.3384)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFD1C8
RGB	255, 209, 200
RGB Percent	100%, 82%, 78%
CMY	0.0002, 0.1803, 0.2157
CMYK	0.00, 0.18, 0.22, 0.00
HSL	10°, 100%, 89%
HSV	10°, 22%, 100%
XYZ	74.4525, 71.0311, 64.4192
YIQ	221.7280, 30.3050, 6.9530

# Conversions

## Conversions Part 2

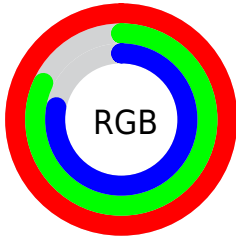
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 211, 200
Decimal	16765384
CIE Lab	87.50, 14.79, 10.55
CIE LCh	88, 18.167, 35.500
Yxy	71.0311, 0.3547, 0.3384
Android (android.graphics.Color)	4294955464 (0xFFFFD1C8)
YUV	221.7280, -10.7119, 29.1795
Hunter-Lab	84.2800, 10.1962, 13.6778

# Details

The Yxy color **71.0311, 0.3547, 0.3384** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **85.3558, 0.2798, 0.3194**, and the grayscale version is **72.9051, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.1923, 0.3656, 0.3397** is the 20% darker color. If you saturate the color by 10%, you get **60.1746, 0.3811, 0.3431**, and if you desaturate by 10%, it is **83.4906, 0.3330, 0.3339**.

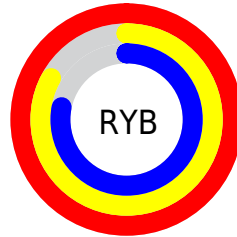
# Distribution



Red (100%)

Green (82%)

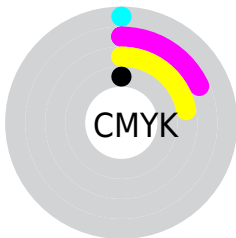
Blue (78%)



Red (100%)

Yellow (83%)

Blue (78%)

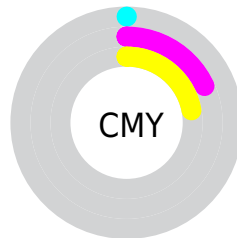


Cyan (0%)

Magenta (18%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (18%)


Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.0311, 0.3547, 0.3384 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 71.0311, 0.3547, 0.3384 by changing the saturation by 10% instead.




 71.0311, 0.3547,  
0.3384

 71.0311, 0.3547,  
0.3384


464.1621, 0.3350,  
0.3344

 52.3676, 0.3593,  
0.3392


120.6780, 0.3478,  
0.3371

 37.2981, 0.3649,  
0.3402


152.4302, 0.3452,  
0.3365

 25.4384, 0.3721,  
0.3414


189.3140, 0.3429,  
0.3361

 16.4040, 0.3816,  
0.3429

231.7139, 0.3409,  
0.3356

 9.8105, 0.3947,  
0.3446

280.0143, 0.3391,  
0.3353

 5.2735, 0.4138,  
0.3467

334.5995, 0.3376,

 2.4086, 0.4440,

0.3349

0.3487

395.8540, 0.3362,  
0.3346

0.8303, 0.5440,  
0.3798

0.0000, 1.0000,  
0.0000

71.0311, 0.3547,  
0.3384

71.0311, 0.3547,  
0.3384

60.1746, 0.3811,  
0.3431

83.4906, 0.3330,  
0.3339

50.8465, 0.4127,  
0.3476

97.6045, 0.3152,  
0.3296

42.9806, 0.4497,  
0.3516

99.9920, 0.3127,  
0.3290

36.5022, 0.4912,  
0.3542

■ 31.3297, 0.5346,  
0.3547

■ 27.3729, 0.5753,  
0.3524

■ 24.5297, 0.6078,  
0.3469

■ 22.9028, 0.6261,  
0.3410

# Harmonies

## Analogous

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



71.0311, 0.3423, 0.3197



71.0311, 0.3547, 0.3384



71.0311, 0.3553, 0.3555

# Triad

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



71.0311, 0.3547, 0.3384



71.0311, 0.3025, 0.3565



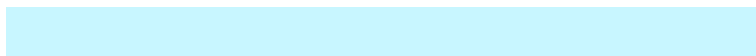
71.0311, 0.2815, 0.2927

# Complementary

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



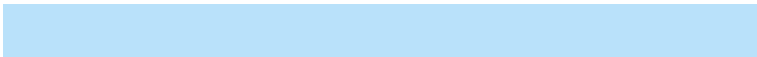
71.0311, 0.3547, 0.3384



85.3558, 0.2798, 0.3194

# 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.



71.0311, 0.2717, 0.3009



71.0311, 0.3547, 0.3384



71.0311, 0.2836, 0.3378

# Square

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



71.0311, 0.3547, 0.3384



71.0311, 0.3247, 0.3670



71.0311, 0.2725, 0.3172



71.0311, 0.2997, 0.2939



# Rectangle

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



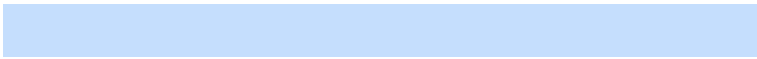
71.0311, 0.3547, 0.3384



71.0311, 0.3490, 0.3637



71.0311, 0.2725, 0.3172



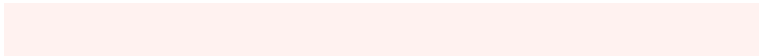
71.0311, 0.2772, 0.2944

# Sweetspot

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



71.0343, 0.3547, 0.3384



91.1664, 0.3227, 0.3315



69.2508, 0.3211, 0.2828



19.3155, 0.3238, 0.3318



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.



71.0343, 0.3547, 0.3384



66.0460, 0.3658, 0.3405



85.2495, 0.3492, 0.3649



18.4695, 0.3290, 0.3330



12.1125, 0.6240, 0.3428

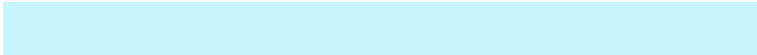


1.3093, 0.6048, 0.3580

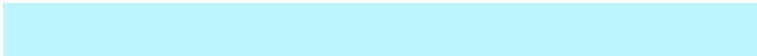


# Inverse Universe

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



85.3558, 0.2798, 0.3194



82.7602, 0.2734, 0.3172



70.2749, 0.2778, 0.2903



19.9428, 0.2980, 0.3250



28.8446, 0.2099, 0.2756

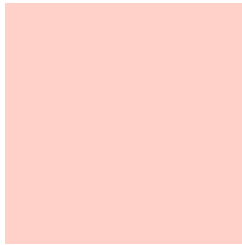


2.9379, 0.2118, 0.2823



# Previews

## White Background



This preview shows how the Yxy color 71.0311, 0.3547, 0.3384 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

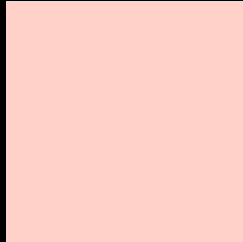
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.0311, 0.3547, 0.3384 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

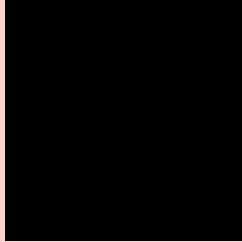
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.0311, 0.3547, 0.3384**

## Background



This preview shows how black text looks on a background with the Yxy color 71.0311, 0.3547, 0.3384.



This preview shows how white text looks on a background with the Yxy color 71.0311, 0.3547, 0.3384.

# 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

71.0311, 0.3547, 0.3384

### Protanopia

71.4017, 0.3280, 0.3443

### Deuteranopia

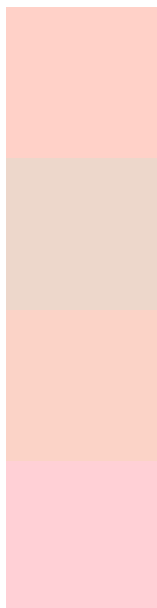
71.1669, 0.3494, 0.3427



## Tritanopia

71.1596, 0.3385, 0.3139

# Trichromacy



## Original Color

71.0311, 0.3547, 0.3384

## Protanomaly

70.9172, 0.3375, 0.3419

## Deuteranomaly

71.2213, 0.3519, 0.3416

## Tritanomaly

71.2268, 0.3443, 0.3230

# Monochromacy



## Original Color

71.0311, 0.3547, 0.3384

## 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 71.0311, 0.3547, 0.3384 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, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 200)  
}
```

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, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 200) }
```

## Border

The CSS property to change the border of an element to Yxy 71.0311, 0.3547, 0.3384 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, 200) }
```

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

```
.border{ border-color:rgb(255, 209, 200) }
```

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, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 209, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 209, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 209,  
200) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.0311, 0.3547, 0.3384 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, 200) }
```

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

```
.background{ background-color: rgb(255,  
209, 200) }
```

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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