

# Converting Colors

$Y_{xy}(70.6580, 0.3486, 0.3280)$

Have a look what the booklet for  
Yxy(70.6580, 0.3486, 0.3280)  
contains.

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# Color

**Yxy(70.4397, 0.3490, 0.3281)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFCFD0
RGB	255, 207, 208
RGB Percent	100%, 81%, 82%
CMY	0.0002, 0.1881, 0.1843
CMYK	0.00, 0.19, 0.18, 0.00
HSL	359°, 100%, 91%
HSV	359°, 19%, 100%
XYZ	74.9267, 70.4397, 69.3233
YIQ	221.4660, 28.2870, 10.4870

# Conversions

## Conversions Part 2

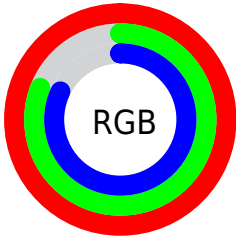
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 207, 208
Decimal	16764880
CIE Lab	87.21, 17.01, 5.90
CIE LCh	87, 18.001, 19.119
Yxy	70.4397, 0.3490, 0.3281
Android (android.graphics.Color)	4294954960 (0xFFFFCFD0)
YUV	221.4660, -6.6387, 29.4093
Hunter-Lab	83.9284, 12.4805, 9.7774

# Details

The Yxy color **70.4397, 0.3490, 0.3281** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **91.9164, 0.2849, 0.3299**, and the grayscale version is **72.6835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.1213, 0.3578, 0.3278** is the 20% darker color. If you saturate the color by 10%, you get **57.9346, 0.3755, 0.3276**, and if you desaturate by 10%, it is **85.1395, 0.3278, 0.3286**.

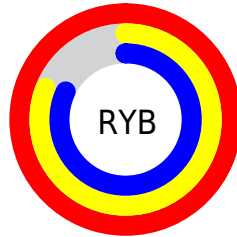
# Distribution



Red (100%)

Green (81%)

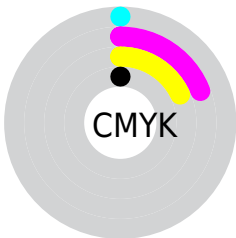
Blue (82%)



Red (100%)

Yellow (81%)

Blue (82%)

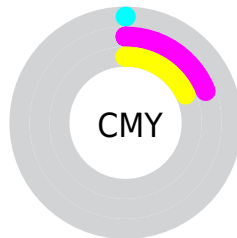


Cyan (0%)

Magenta (19%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (19%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.4397, 0.3490, 0.3281 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 70.4397, 0.3490, 0.3281 by changing the saturation by 10% instead.




 70.4397, 0.3490,  
0.3281

 70.4397, 0.3490,  
0.3281


462.0924, 0.3320,  
0.3287

 51.8851, 0.3529,  
0.3279


119.8356, 0.3431,  
0.3284

 36.9135, 0.3578,  
0.3276


151.4456, 0.3408,  
0.3285

 25.1405, 0.3641,  
0.3272


188.1763, 0.3388,  
0.3285

 16.1818, 0.3723,  
0.3267

230.4119, 0.3371,  
0.3286

 9.6529, 0.3837,  
0.3257

278.5370, 0.3356,  
0.3286

 5.1694, 0.4004,  
0.3241

332.9358, 0.3342,

 2.3470, 0.4270,

0.3287

0.3208

393.9928, 0.3331,  
0.3287

0.7984, 0.4928,  
0.3226

0.0000, 1.0000,  
0.0000

70.4397, 0.3490,  
0.3281

70.4397, 0.3490,  
0.3281

57.9346, 0.3755,  
0.3276

85.1395, 0.3278,  
0.3286

47.5099, 0.4083,  
0.3272

99.9921, 0.3127,  
0.3290

39.0558, 0.4478,  
0.3268

32.4483, 0.4932,  
0.3266

■ 27.5494, 0.5412,  
0.3268

■ 24.2020, 0.5859,  
0.3274

■ 22.2199, 0.6195,  
0.3283

■ 21.3365, 0.6372,  
0.3292

■ 21.2636, 0.6386,  
0.3292

# Harmonies

## Analogous

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



70.4397, 0.3317, 0.3105



70.4397, 0.3490, 0.3281



70.4397, 0.3562, 0.3465

# Triad

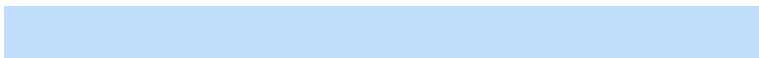
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.4397, 0.3490, 0.3281



70.4397, 0.3146, 0.3633



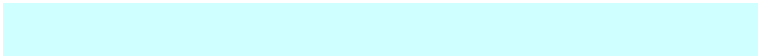
70.4397, 0.2752, 0.2963

# Complementary

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



70.4397, 0.3490, 0.3281



91.9164, 0.2849, 0.3299

# 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.



70.4397, 0.2711, 0.3091



70.4397, 0.3490, 0.3281



70.4397, 0.2933, 0.3485

# Square

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



70.4397, 0.3490, 0.3281



70.4397, 0.3359, 0.3678



70.4397, 0.2776, 0.3283



70.4397, 0.2891, 0.2923



# Rectangle

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



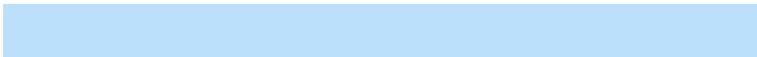
70.4397, 0.3490, 0.3281



70.4397, 0.3543, 0.3571



70.4397, 0.2776, 0.3283



70.4397, 0.2726, 0.2996

# Sweetspot

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



70.4429, 0.3490, 0.3281



89.6957, 0.3227, 0.3287



72.8042, 0.3138, 0.2820



18.9693, 0.3238, 0.3287



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

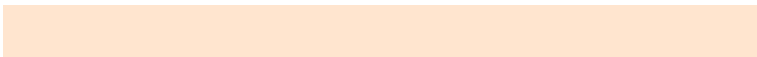
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.4429, 0.3490, 0.3281



64.9545, 0.3594, 0.3279



82.0144, 0.3456, 0.3516



17.9931, 0.3291, 0.3286



11.1174, 0.6380, 0.3288



1.0845, 0.6330, 0.3261



# Inverse Universe

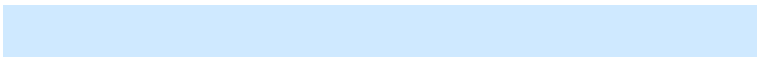
The Inverse Universe completely reimagines the original color for something new.



70.4429, 0.3490, 0.3281



64.9545, 0.3594, 0.3279



78.5310, 0.2830, 0.3053



17.9931, 0.3291, 0.3286



11.1174, 0.6380, 0.3288

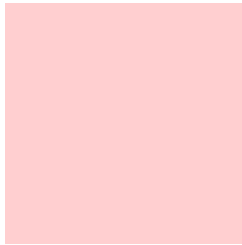


1.0845, 0.6330, 0.3261



# Previews

## White Background



This preview shows how the Yxy color 70.4397, 0.3490, 0.3281 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

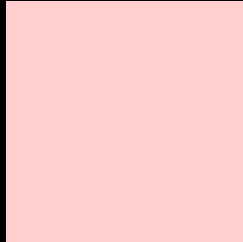
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.4397, 0.3490, 0.3281 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

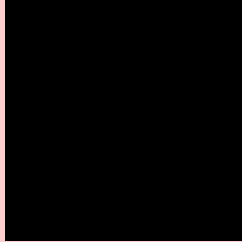
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 70.4397, 0.3490, 0.3281**

## Background



This preview shows how black text looks on a background with the Yxy color 70.4397, 0.3490, 0.3281.

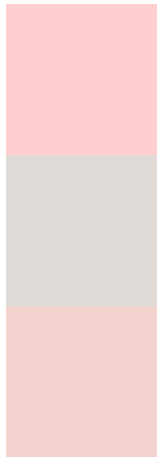


This preview shows how white text looks on a background with the Yxy color 70.4397, 0.3490, 0.3281.

# 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

70.4397, 0.3490, 0.3281

### Protanopia

70.8451, 0.3198, 0.3334

### Deuteranopia

70.3266, 0.3406, 0.3333



## Tritanopia

70.6231, 0.3394, 0.3139

# Trichromacy



## Original Color

70.4397, 0.3490, 0.3281

## Protanomaly

70.5088, 0.3297, 0.3312

## Deuteranomaly

70.5546, 0.3438, 0.3322

## Tritanomaly

70.3605, 0.3431, 0.3189

# Monochromacy



## Original Color

70.4397, 0.3490, 0.3281

## Achromatopsia

72.3055, 0.3127, 0.3290

## Achromatomaly

71.3932, 0.3252, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.4397, 0.3490, 0.3281 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, 207, 208)` looks like.

```
.text, #text, p{  
    color:rgb(255, 207, 208)  
}
```

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, 207, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 207, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 70.4397, 0.3490, 0.3281 is called "border". The border property can be set on classes, ids or directly on the HTML element.

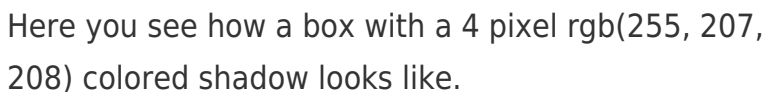
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 207, 208) }
```

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

```
.border{ border-color:rgb(255, 207, 208) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 207, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 207, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 207, 208);  
box-shadow:4px 4px 4px 4px rgb(255, 207,  
208) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.4397, 0.3490, 0.3281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 207, 208) }
```

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

```
.background{ background-color: rgb(255,  
207, 208) }
```

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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