

# Converting Colors

$Yxy(70.8311, 0.3544, 0.3373)$

Have a look what the booklet for  
Yxy(70.8311, 0.3544, 0.3373)  
contains.

<b>Yxy(71.0780, 0.3540, 0.3373)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(71.0780, 0.3540, 0.3373)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD1C9
RGB	255, 209, 201
RGB Percent	100%, 82%, 79%
CMY	0.0000, 0.1804, 0.2117
CMYK	0.00, 0.18, 0.21, 0.00
HSL	9°, 100%, 89%
HSV	9°, 21%, 100%
XYZ	74.5971, 71.0780, 65.0512
YIQ	221.8420, 29.9840, 7.2640

# Conversions

## Conversions Part 2

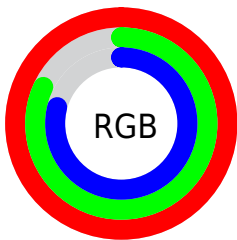
Format	Color
R <sub>Y</sub> B	255, 210, 201
Decimal	16765385
CIE Lab	87.52, 14.99, 10.04
CIE LCh	88, 18.042, 33.817
Yxy	71.0780, 0.3540, 0.3373
Android (android.graphics.Color)	4294955465 (0xFFFFD1C9)
YUV	221.8420, -10.2751, 29.0796
Hunter-Lab	84.3078, 10.4016, 13.2677

# Details

The Yxy color **71.0780, 0.3540, 0.3373** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **86.1746, 0.2805, 0.3205**, and the grayscale version is **72.9817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.2236, 0.3646, 0.3384** is the 20% darker color. If you saturate the color by 10%, you get **60.0238, 0.3804, 0.3415**, and if you desaturate by 10%, it is **83.7738, 0.3323, 0.3332**.

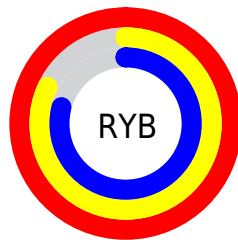
# Distribution



Red (100%)

Green (82%)

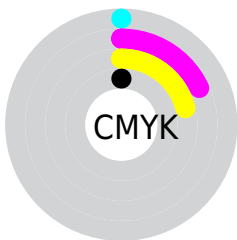
Blue (79%)



Red (100%)

Yellow (82%)

Blue (79%)

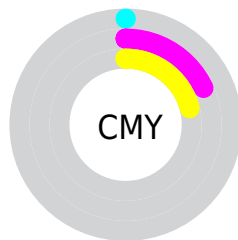


Cyan (0%)

Magenta (18%)

Yellow (21%)

Black (0%)



Cyan (0%)

Magenta (18%)


Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.0780, 0.3540, 0.3373 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 71.0780, 0.3540, 0.3373 by changing the saturation by 10% instead.



 71.0780, 0.3540,  
0.3373

 71.0780, 0.3540,  
0.3373


464.3261, 0.3346,  
0.3338

 52.4059, 0.3585,  
0.3380


120.7448, 0.3472,  
0.3361

 37.3287, 0.3640,  
0.3389


152.5082, 0.3446,  
0.3357

 25.4621, 0.3711,  
0.3399


189.4042, 0.3424,  
0.3353

 16.4216, 0.3805,  
0.3412

231.8171, 0.3404,  
0.3349

 9.8230, 0.3933,  
0.3426

280.1313, 0.3387,  
0.3346

 5.2818, 0.4121,  
0.3443

334.7313, 0.3372,

 2.4135, 0.4419,

0.3343

0.3458

396.0014, 0.3359,  
0.3340

0.8328, 0.5360,  
0.3724

0.0000, 1.0000,  
0.0000

71.0780, 0.3540,  
0.3373

71.0780, 0.3540,  
0.3373

60.0238, 0.3804,  
0.3415

83.7738, 0.3323,  
0.3332

50.5612, 0.4121,  
0.3456

98.1937, 0.3146,  
0.3294

42.6109, 0.4495,  
0.3492

100.0000, 0.3127,  
0.3290

36.0941, 0.4915,  
0.3516

■ 30.9245, 0.5355,  
0.3520

■ 27.0067, 0.5769,  
0.3498

■ 24.2323, 0.6096,  
0.3448

■ 22.6255, 0.6285,  
0.3392

# Harmonies

## Analogous

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



71.0780, 0.3411, 0.3188



71.0780, 0.3540, 0.3373



71.0780, 0.3553, 0.3545

# Triad

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



71.0780, 0.3540, 0.3373



71.0780, 0.3038, 0.3571



71.0780, 0.2809, 0.2932

# Complementary

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



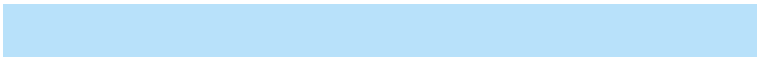
71.0780, 0.3540, 0.3373



86.1746, 0.2805, 0.3205

# 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.



71.0780, 0.2718, 0.3018



71.0780, 0.3540, 0.3373



71.0780, 0.2847, 0.3389

# Square

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



71.0780, 0.3540, 0.3373



71.0780, 0.3258, 0.3670



71.0780, 0.2731, 0.3184



71.0780, 0.2986, 0.2939



# Rectangle

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



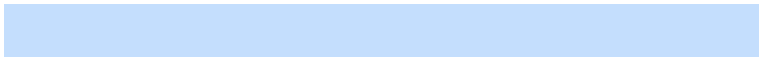
71.0780, 0.3540, 0.3373



71.0780, 0.3495, 0.3629



71.0780, 0.2731, 0.3184



71.0780, 0.2768, 0.2950

# Sweetspot

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



71.0719, 0.3540, 0.3373



91.0142, 0.3227, 0.3312



69.8029, 0.3203, 0.2828



19.2796, 0.3238, 0.3315



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.



71.0719, 0.3540, 0.3373



66.6516, 0.3635, 0.3389



85.0108, 0.3486, 0.3634



18.4200, 0.3291, 0.3326



11.9515, 0.6265, 0.3408



1.2861, 0.6080, 0.3554



# Inverse Universe

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



86.1746, 0.2805, 0.3205



83.9858, 0.2750, 0.3188



71.2495, 0.2785, 0.2920



19.9970, 0.2980, 0.3254



29.9647, 0.2115, 0.2813



3.0366, 0.2131, 0.2873



# Previews

## White Background



This preview shows how the Yxy color 71.0780, 0.3540, 0.3373 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

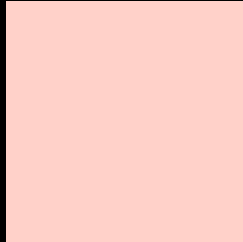
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.0780, 0.3540, 0.3373 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

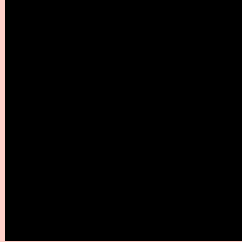
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.0780, 0.3540, 0.3373**

## Background



This preview shows how black text looks on a background with the Yxy color 71.0780, 0.3540, 0.3373.



This preview shows how white text looks on a background with the Yxy color 71.0780, 0.3540, 0.3373.

# 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

71.0780, 0.3540, 0.3373

### Protanopia

71.4502, 0.3273, 0.3432

### Deuteranopia

71.2136, 0.3487, 0.3416



## Tritanopia

71.1596, 0.3385, 0.3139

# Trichromacy



## Original Color

71.0780, 0.3540, 0.3373

## Protanomaly

70.9650, 0.3368, 0.3408

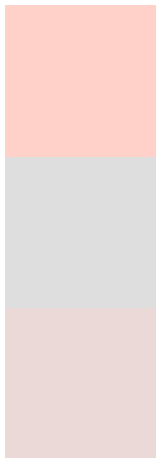
## Deuteranomaly

71.2679, 0.3512, 0.3405

## Tritanomaly

71.2268, 0.3443, 0.3230

# Monochromacy



## Original Color

71.0780, 0.3540, 0.3373

## 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 71.0780, 0.3540, 0.3373 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, 201)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 201)  
}
```

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, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 201) }
```

## Border

The CSS property to change the border of an element to Yxy 71.0780, 0.3540, 0.3373 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, 201) }
```

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

```
.border{ border-color:rgb(255, 209, 201) }
```

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, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 209, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 209, 201);  
box-shadow:4px 4px 4px 4px rgb(255, 209,  
201) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.0780, 0.3540, 0.3373 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, 201) }
```

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

```
.background{ background-color: rgb(255,  
209, 201) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor