

# Converting Colors

$Yxy(76.7683, 0.3795, 0.3455)$

Have a look what the booklet for  
Yxy(76.7683, 0.3795, 0.3455)  
contains.

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# Color

**Yxy(71.6988, 0.3596, 0.3476)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFD3C1
RGB	255, 211, 193
RGB Percent	100%, 83%, 76%
CMY	0.0000, 0.1726, 0.2430
CMYK	0.00, 0.17, 0.24, 0.00
HSL	17°, 100%, 88%
HSV	17°, 24%, 100%
XYZ	74.1740, 71.6988, 60.3953
YIQ	222.1040, 32.0020, 3.7300

# Conversions

## Conversions Part 2

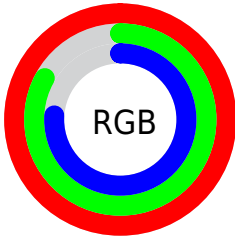
Format	Color
R <sub>Y</sub> B	255, 218, 193
Decimal	16765889
CIE Lab	87.82, 12.82, 14.68
CIE LCh	88, 19.489, 48.864
Yxy	71.6988, 0.3596, 0.3476
Android (android.graphics.Color)	4294955969 (0xFFFFD3C1)
YUV	222.1040, -14.3483, 28.8498
Hunter-Lab	84.6751, 8.1815, 16.9835

# Details

The Yxy color **71.6988, 0.3596, 0.3476** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **79.1505, 0.2751, 0.3096**, and the grayscale version is **73.2061, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6196, 0.3162, 0.3347**, and **37.6468, 0.3720, 0.3516** is the 20% darker color. If you saturate the color by 10%, you get **62.1556, 0.3852, 0.3557**, and if you desaturate by 10%, it is **82.4415, 0.3379, 0.3396**.

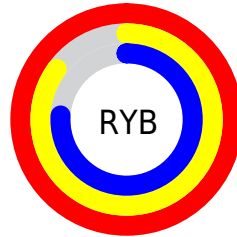
# Distribution



Red (100%)

Green (83%)

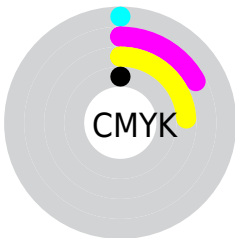
Blue (76%)



Red (100%)

Yellow (85%)

Blue (76%)

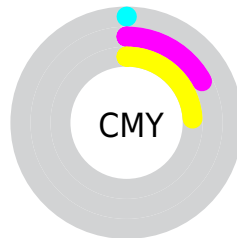


Cyan (0%)

Magenta (17%)

Yellow (24%)

Black (0%)



Cyan (0%)

Magenta (17%)


Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.6988, 0.3596, 0.3476 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 71.6988, 0.3596, 0.3476 by changing the saturation by 10% instead.




 71.6988, 0.3596,  
0.3476

 71.6988, 0.3596,  
0.3476

466.4926, 0.3377,  
0.3394

 52.9127, 0.3647,  
0.3494


 121.6282, 0.3519,  
0.3448

 37.7331, 0.3709,  
0.3515


153.5403, 0.3490,  
0.3437

 25.7756, 0.3789,  
0.3541


190.5964, 0.3464,  
0.3428

 16.6558, 0.3894,  
0.3574

233.1811, 0.3442,  
0.3419

 9.9894, 0.4037,  
0.3615

281.6786, 0.3423,  
0.3412

 5.3919, 0.4244,  
0.3667

336.4735, 0.3406,

 2.4790, 0.4567,

0.3405

0.3731

397.9500, 0.3390,  
0.3399

0.8661, 0.5750,  
0.4250

0.0000, 1.0000,  
0.0000

71.6988, 0.3596,  
0.3476

71.6988, 0.3596,  
0.3476

62.1556, 0.3852,  
0.3557

82.4415, 0.3379,  
0.3396

53.7839, 0.4151,  
0.3636

94.4405, 0.3196,  
0.3321

46.5323, 0.4491,  
0.3703

100.0000, 0.3127,  
0.3290

40.3512, 0.4861,  
0.3751

■ 35.1872, 0.5241,  
0.3765

■ 30.9816, 0.5596,  
0.3736

■ 27.6686, 0.5887,  
0.3659

■ 26.1454, 0.6019,  
0.3603

# Harmonies

## Analogous

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



71.6988, 0.3517, 0.3278



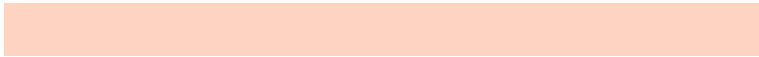
71.6988, 0.3596, 0.3476



71.6988, 0.3544, 0.3636

# Triad

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



71.6988, 0.3596, 0.3476



71.6988, 0.2920, 0.3502



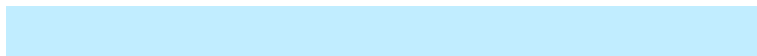
71.6988, 0.2871, 0.2897

# Complementary

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



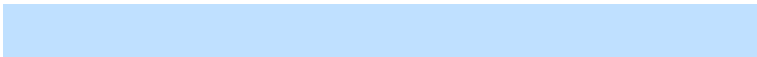
71.6988, 0.3596, 0.3476



79.1505, 0.2751, 0.3096

# 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.



71.6988, 0.2723, 0.2939



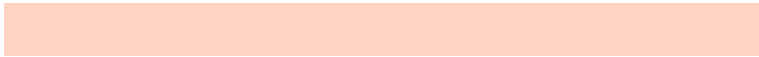
71.6988, 0.3596, 0.3476



71.6988, 0.2751, 0.3283

# Square

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



71.6988, 0.3596, 0.3476



71.6988, 0.3149, 0.3661



71.6988, 0.2680, 0.3077



71.6988, 0.3091, 0.2952



# Rectangle

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



71.6988, 0.3596, 0.3476



71.6988, 0.3443, 0.3696



71.6988, 0.2680, 0.3077



71.6988, 0.2812, 0.2899

# Sweetspot

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



71.6936, 0.3596, 0.3476



91.0803, 0.3242, 0.3341



65.5509, 0.3285, 0.2846



19.3366, 0.3253, 0.3345



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.



71.6936, 0.3596, 0.3476



67.0666, 0.3711, 0.3514



88.3611, 0.3525, 0.3776



18.8446, 0.3287, 0.3360



13.8824, 0.5990, 0.3626

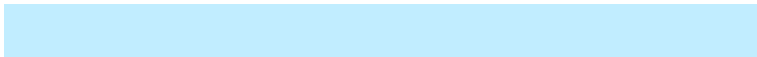


1.5299, 0.5770, 0.3801

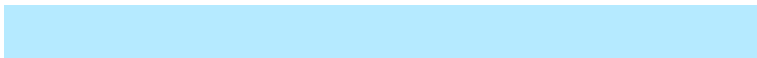


# Inverse Universe

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



79.1505, 0.2751, 0.3096



75.6489, 0.2681, 0.3053



62.9215, 0.2722, 0.2752



19.5397, 0.2980, 0.3219



21.3298, 0.1977, 0.2315

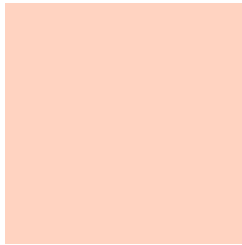


2.2650, 0.2011, 0.2440



# Previews

## White Background



This preview shows how the Yxy color 71.6988, 0.3596, 0.3476 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

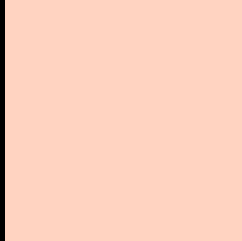
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.6988, 0.3596, 0.3476 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

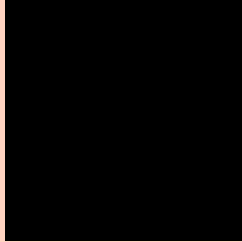
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.6988, 0.3596, 0.3476**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.6988, 0.3596, 0.3476.

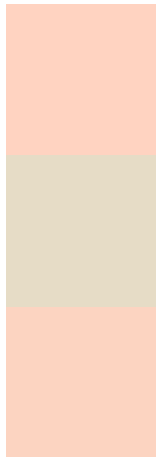


This preview shows how white text looks on a background with the Yxy color 71.6988, 0.3596, 0.3476.

# 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

71.6988, 0.3596, 0.3476

### Protanopia

72.0866, 0.3350, 0.3530

### Deuteranopia

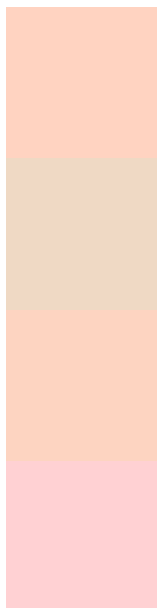
71.6327, 0.3570, 0.3488



## Tritanopia

71.6457, 0.3384, 0.3149

# Trichromacy



## Original Color

71.6988, 0.3596, 0.3476

## Protanomaly

71.9620, 0.3437, 0.3515

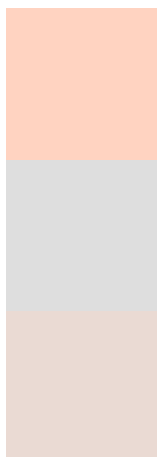
## Deuteranomaly

71.8199, 0.3578, 0.3488

## Tritanomaly

71.5641, 0.3464, 0.3271

# Monochromacy



## Original Color

71.6988, 0.3596, 0.3476

## Achromatopsia

73.0461, 0.3127, 0.3290

## Achromatomaly

72.3384, 0.3292, 0.3365

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.6988, 0.3596, 0.3476 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, 211, 193)` looks like.

```
.text, #text, p{  
    color:rgb(255, 211, 193)  
}
```

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, 211, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 211, 193) }
```

## Border

The CSS property to change the border of an element to Yxy 71.6988, 0.3596, 0.3476 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, 211, 193) }
```

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

```
.border{ border-color:rgb(255, 211, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 211, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 211, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 211, 193);  
box-shadow:4px 4px 4px 4px rgb(255, 211,  
193) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.6988, 0.3596, 0.3476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 211, 193) }
```

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

```
.background{ background-color: rgb(255,  
211, 193) }
```

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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