

# Converting Colors

$Yxy(71.7806, 0.3557, 0.3600)$

Have a look what the booklet for  
Yxy(71.7806, 0.3557, 0.3600)  
contains.

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# Color

**Yxy(71.5585, 0.3560, 0.3597)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F5D7BA
RGB	245, 215, 186
RGB Percent	96%, 84%, 73%
CMY	0.0392, 0.1568, 0.2704
CMYK	0.00, 0.12, 0.24, 0.04
HSL	29°, 75%, 85%
HSV	29°, 24%, 96%
XYZ	70.8224, 71.5585, 56.5585
YIQ	220.6640, 27.1890, -2.6590

# Conversions

## Conversions Part 2

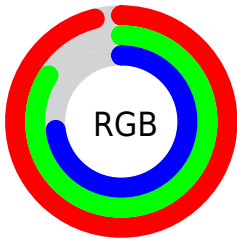
Format	Color
R <sub>Y</sub> B	245, 243, 186
Decimal	16111546
CIE Lab	87.76, 6.07, 18.12
CIE LCh	88, 19.108, 71.471
Yxy	71.5585, 0.3560, 0.3597
Android (android.graphics.Color)	4294301626 (0xFFFF5D7BA)
YUV	220.6640, -17.0894, 21.3427
Hunter-Lab	84.5923, 1.4075, 19.5732

# Details

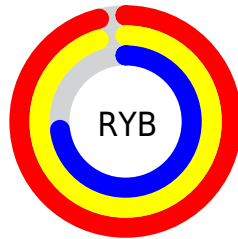
The Yxy color **71.5585, 0.3560, 0.3597** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **66.1692, 0.2744, 0.2962**, and the grayscale version is **72.1699, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1908, 0.3203, 0.3415**, and **37.5264, 0.3662, 0.3660** is the 20% darker color. If you saturate the color by 10%, you get **64.4986, 0.3783, 0.3731**, and if you desaturate by 10%, it is **79.2872, 0.3363, 0.3465**.

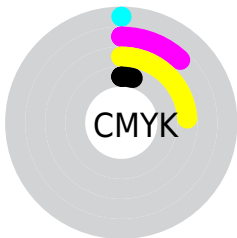
# Distribution



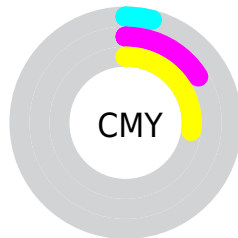
- Red (96%)
- Green (84%)
- Blue (73%)



- Red (96%)
- Yellow (95%)
- Blue (73%)



- Cyan (0%)
- Magenta (12%)
- Yellow (24%)
- Black (4%)




- Cyan (4%)
- Magenta (16%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.5585, 0.3560, 0.3597 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 71.5585, 0.3560, 0.3597 by changing the saturation by 10% instead.





 71.5585, 0.3560,  
0.3597

 71.5585, 0.3560,  
0.3597


466.0034, 0.3358,  
0.3457

 52.7981, 0.3606,  
0.3628


 121.4286, 0.3490,  
0.3549

 37.6416, 0.3664,  
0.3666


153.3071, 0.3463,  
0.3530

 25.7047, 0.3736,  
0.3714


190.3272, 0.3439,  
0.3514

 16.6028, 0.3831,  
0.3775

232.8731, 0.3419,  
0.3500

 9.9517, 0.3960,  
0.3855

281.3292, 0.3401,  
0.3487

 5.3670, 0.4143,  
0.3964

336.0801, 0.3385,

 2.4641, 0.4424,

0.3476

0.4117

397.5100, 0.3371,  
0.3466

0.8586, 0.5305,  
0.4695

0.0000, 0.0000,  
0.0000

71.5585, 0.3560,  
0.3597

71.5585, 0.3560,  
0.3597

64.4986, 0.3783,  
0.3731

79.2872, 0.3363,  
0.3465

58.0781, 0.4030,  
0.3862

87.6939, 0.3191,  
0.3339

52.2791, 0.4298,  
0.3981

96.5036, 0.3066,  
0.3265

47.0792, 0.4579,  
0.4075

98.1519, 0.3066,  
0.3290

■ 42.4542, 0.4859,  
0.4133

■ 38.3772, 0.5120,  
0.4143

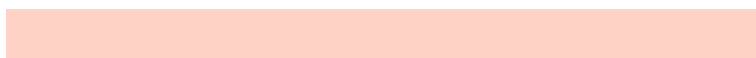
■ 34.8178, 0.5344,  
0.4096

■ 32.9282, 0.5459,  
0.4047

# Harmonies

## Analogous

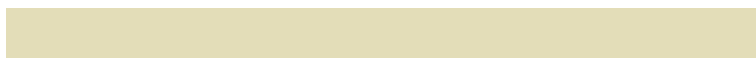
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.5585, 0.3580, 0.3426



71.5585, 0.3560, 0.3597



71.5585, 0.3421, 0.3693

# Triad

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



71.5585, 0.3560, 0.3597



71.5585, 0.2791, 0.3338



71.5585, 0.3035, 0.2937

# Complementary

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



71.5585, 0.3560, 0.3597



66.1692, 0.2744, 0.2962

# 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.



71.5585, 0.2832, 0.2905



71.5585, 0.3560, 0.3597



71.5585, 0.2695, 0.3126

# Square

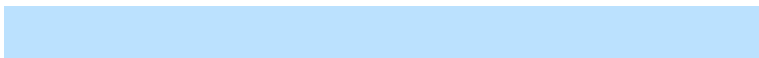
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.5585, 0.3560, 0.3597



71.5585, 0.2976, 0.3545



71.5585, 0.2710, 0.2970



71.5585, 0.3270, 0.3054



# Rectangle

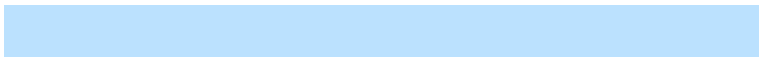
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.5585, 0.3560, 0.3597



71.5585, 0.3283, 0.3696



71.5585, 0.2710, 0.2970



71.5585, 0.2961, 0.2916

# Sweetspot

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



71.5618, 0.3560, 0.3597



93.2450, 0.3239, 0.3375



59.5331, 0.3377, 0.2970



19.8374, 0.3249, 0.3383



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.



71.5618, 0.3560, 0.3597



74.4176, 0.3668, 0.3664



87.6692, 0.3493, 0.3883



17.8267, 0.3281, 0.3406



18.0154, 0.5434, 0.4068



1.7886, 0.5237, 0.4224



# Inverse Universe

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



66.1692, 0.2744, 0.2962



67.5433, 0.2662, 0.2883



52.5900, 0.2715, 0.2619



17.3207, 0.2980, 0.3171



11.6839, 0.1780, 0.1606

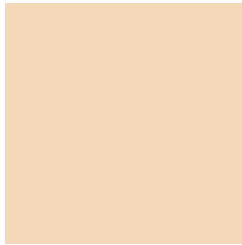


1.2326, 0.1842, 0.1830



# Previews

## White Background



This preview shows how the Yxy color 71.5585, 0.3560, 0.3597 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

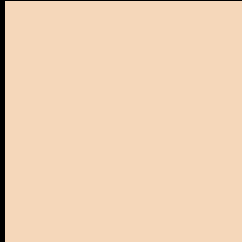
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.5585, 0.3560, 0.3597 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

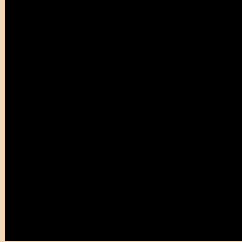
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.5585, 0.3560, 0.3597**

## Background



This preview shows how black text looks on a background with the Yxy color 71.5585, 0.3560, 0.3597.

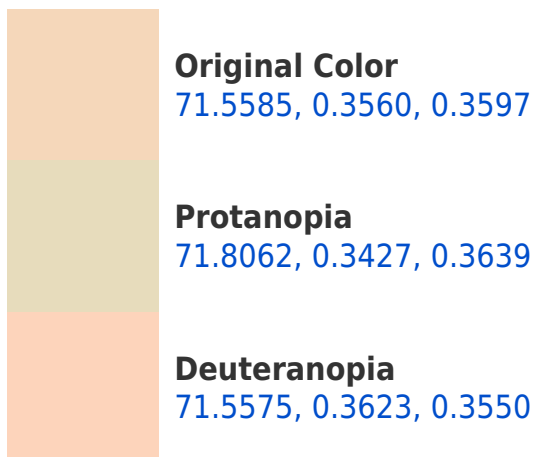


This preview shows how white text looks on a background with the Yxy color 71.5585, 0.3560, 0.3597.

# 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

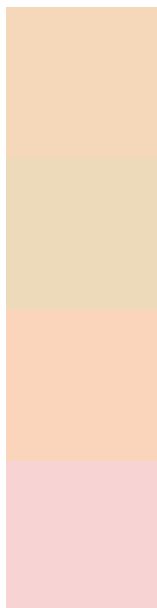




## Tritanopia

71.4159, 0.3315, 0.3117

# Trichromacy



## Original Color

71.5585, 0.3560, 0.3597

## Protanomaly

71.5635, 0.3477, 0.3625

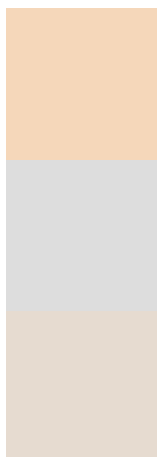
## Deuteranomaly

71.5003, 0.3597, 0.3563

## Tritanomaly

71.2481, 0.3407, 0.3291

# Monochromacy



## Original Color

71.5585, 0.3560, 0.3597

## Achromatopsia

72.3055, 0.3127, 0.3290

## Achromatomaly

72.0401, 0.3282, 0.3409

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.5585, 0.3560, 0.3597 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(245, 215, 186)` looks like.

```
.text, #text, p{  
    color:rgb(245, 215, 186)  
}
```

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(245, 215, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 215, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 71.5585, 0.3560, 0.3597 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(245, 215, 186) }
```

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

```
.border{ border-color:rgb(245, 215, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 215, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 215, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 215, 186);  
box-shadow:4px 4px 4px 4px rgb(245, 215,  
186) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.5585, 0.3560, 0.3597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 215, 186) }
```

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

```
.background{ background-color: rgb(245,  
215, 186) }
```

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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