

# Converting Colors

$Y_{xy}(73.8560, 0.3630, 0.3589)$

Have a look what the booklet for  
Yxy(73.8560, 0.3630, 0.3589)  
contains.

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# Color

**Yxy(73.9596, 0.3628, 0.3589)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD8BB
RGB	255, 216, 187
RGB Percent	100%, 85%, 73%
CMY	0.0000, 0.1529, 0.2667
CMYK	0.00, 0.15, 0.27, 0.00
HSL	26°, 100%, 87%
HSV	26°, 27%, 100%
XYZ	74.7633, 73.9596, 57.3501
YIQ	224.3550, 32.5530, -0.7510

# Conversions

## Conversions Part 2

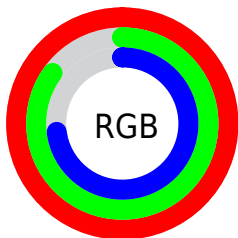
Format	Color
R <sub>Y</sub> B	255, 238, 187
Decimal	16767163
CIE Lab	88.90, 9.38, 19.35
CIE LCh	89, 21.504, 64.134
Yxy	73.9596, 0.3628, 0.3589
Android (android.graphics.Color)	4294957243 (0xFFFFD8BB)
YUV	224.3550, -18.4160, 26.8757
Hunter-Lab	85.9998, 4.6781, 20.6615

# Details

The Yxy color **73.9596, 0.3628, 0.3589** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **72.1698, 0.2705, 0.2970**, and the grayscale version is **74.9269, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2511, 0.3197, 0.3405**, and **39.0813, 0.3740, 0.3648** is the 20% darker color. If you saturate the color by 10%, you get **65.8043, 0.3869, 0.3707**, and if you desaturate by 10%, it is **82.9822, 0.3417, 0.3472**.

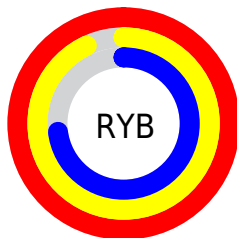
# Distribution



Red (100%)

Green (85%)

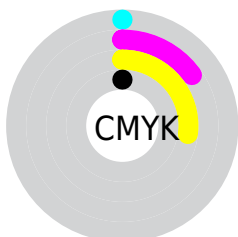
Blue (73%)



Red (100%)

Yellow (93%)

Blue (73%)

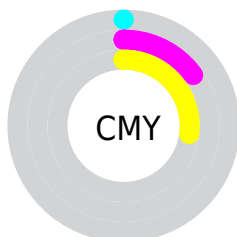


Cyan (0%)

Magenta (15%)

Yellow (27%)

Black (0%)



Cyan (0%)

Magenta (15%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.9596, 0.3628, 0.3589 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 73.9596, 0.3628, 0.3589 by changing the saturation by 10% instead.





 73.9596, 0.3628,  
0.3589

 73.9596, 0.3628,  
0.3589


474.3339, 0.3396,  
0.3455

 54.7610, 0.3681,  
0.3618


 124.8385, 0.3547,  
0.3544

 39.2104, 0.3747,  
0.3654


157.2876, 0.3516,  
0.3526

 26.9234, 0.3829,  
0.3697


194.9223, 0.3489,  
0.3510

 17.5157, 0.3937,  
0.3752

238.1271, 0.3465,  
0.3496

 10.6029, 0.4082,  
0.3822

287.2862, 0.3445,  
0.3484

 5.8005, 0.4288,  
0.3914

342.7841, 0.3426,

 2.7241, 0.4596,

0.3474

0.4033

405.0052, 0.3410,  
0.3464

0.9895, 0.5500,  
0.4500

0.0000, 1.0000,  
0.0000

73.9596, 0.3628,  
0.3589

73.9596, 0.3628,  
0.3589

65.8043, 0.3869,  
0.3707

82.9822, 0.3417,  
0.3472

58.4786, 0.4141,  
0.3819

92.8880, 0.3234,  
0.3361

51.9567, 0.4438,  
0.3917

99.9984, 0.3127,  
0.3290

46.2073, 0.4750,  
0.3989

■ 41.1965, 0.5060,  
0.4020

■ 36.8872, 0.5345,  
0.4001

■ 33.2365, 0.5582,  
0.3925

■ 32.1503, 0.5653,  
0.3893

# Harmonies

## Analogous

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



73.9596, 0.3615, 0.3387



73.9596, 0.3628, 0.3589



73.9596, 0.3502, 0.3723

# Triad

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



73.9596, 0.3628, 0.3589



73.9596, 0.2796, 0.3403



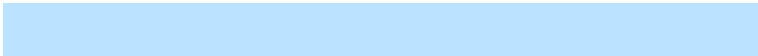
73.9596, 0.2963, 0.2881

# Complementary

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



73.9596, 0.3628, 0.3589



72.1698, 0.2705, 0.2970

# 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.



73.9596, 0.2756, 0.2870



73.9596, 0.3628, 0.3589



73.9596, 0.2663, 0.3160

# Square

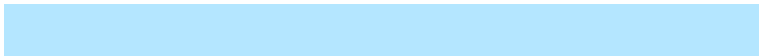
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.9596, 0.3628, 0.3589



73.9596, 0.3018, 0.3621



73.9596, 0.2649, 0.2968



73.9596, 0.3222, 0.2990



# Rectangle

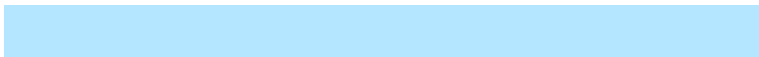
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.9596, 0.3628, 0.3589



73.9596, 0.3359, 0.3749



73.9596, 0.2649, 0.2968



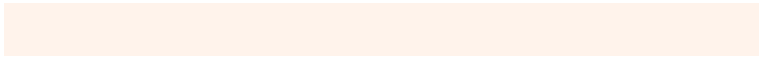
73.9596, 0.2885, 0.2865

# Sweetspot

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



73.9630, 0.3628, 0.3589



91.5179, 0.3257, 0.3375



62.3282, 0.3375, 0.2889



19.2611, 0.3284, 0.3392



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.



73.9630, 0.3628, 0.3589



69.5083, 0.3753, 0.3652



92.7994, 0.3545, 0.3908



19.2611, 0.3284, 0.3392



17.0822, 0.5625, 0.3916

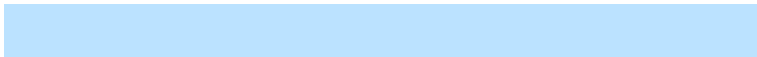


1.8746, 0.5424, 0.4076

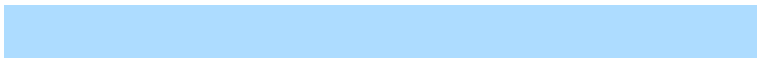


# Inverse Universe

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



72.1698, 0.2705, 0.2970



67.4345, 0.2620, 0.2896



55.7787, 0.2668, 0.2587



19.1072, 0.2979, 0.3186



14.8506, 0.1841, 0.1826

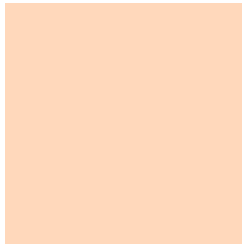


1.6628, 0.1891, 0.2008



# Previews

## White Background



This preview shows how the Yxy color 73.9596, 0.3628, 0.3589 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

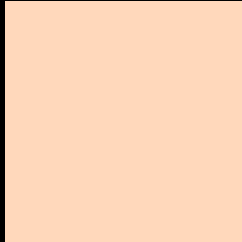
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.9596, 0.3628, 0.3589 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

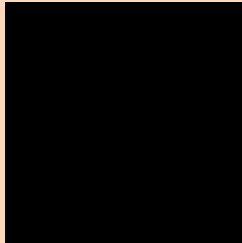
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.9596, 0.3628, 0.3589**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.9596, 0.3628, 0.3589.

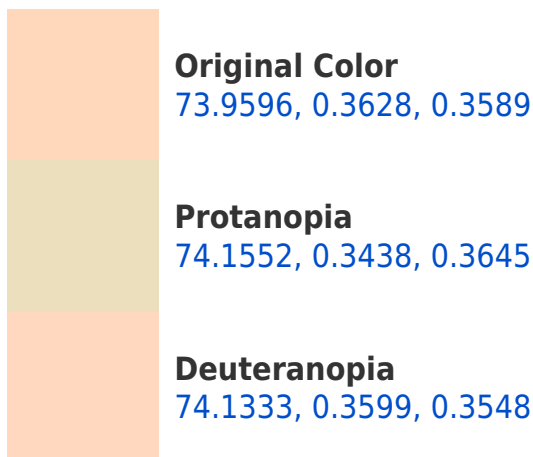


This preview shows how white text looks on a background with the Yxy color 73.9596, 0.3628, 0.3589.

# 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

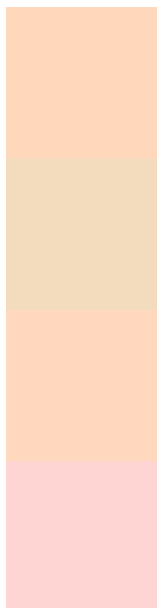




## Tritanopia

73.8380, 0.3349, 0.3150

# Trichromacy



## Original Color

73.9596, 0.3628, 0.3589

## Protanomaly

73.7378, 0.3504, 0.3619

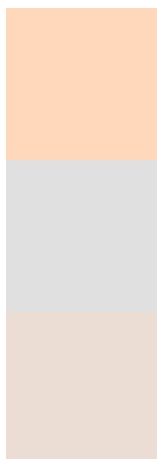
## Deuteranomaly

74.0894, 0.3606, 0.3558

## Tritanomaly

73.6020, 0.3450, 0.3301

# Monochromacy



## Original Color

73.9596, 0.3628, 0.3589

## Achromatopsia

74.5404, 0.3127, 0.3290

## Achromatomaly

74.0782, 0.3296, 0.3397

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.9596, 0.3628, 0.3589 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, 216, 187)` looks like.

```
.text, #text, p{  
    color:rgb(255, 216, 187)  
}
```

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, 216, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 216, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 73.9596, 0.3628, 0.3589 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, 216, 187) }
```

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

```
.border{ border-color:rgb(255, 216, 187) }
```

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

Here you see how a box with a 4 pixel rgb(255, 216, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 216, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 216, 187);  
box-shadow:4px 4px 4px 4px rgb(255, 216,  
187) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.9596, 0.3628, 0.3589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 216, 187) }
```

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

```
.background{ background-color: rgb(255,  
216, 187) }
```

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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