

Converting Colors

$Y_{xy}(83.2892, 0.3976, 0.3579)$

Have a look what the booklet for
Yxy(83.2892, 0.3976, 0.3579)
contains.

Yxy(73.8745, 0.3643, 0.3610)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(73.8745, 0.3643, 0.3610)

Conversions

Conversions Part 1

Format	Color
Hex	FFD8B9
RGB	255, 216, 185
RGB Percent	100%, 85%, 73%
CMY	0.0000, 0.1529, 0.2746
CMYK	0.00, 0.15, 0.27, 0.00
HSL	27°, 100%, 86%
HSV	27°, 27%, 100%
XYZ	74.5498, 73.8745, 56.2142
YIQ	224.1270, 33.1950, -1.3730

Conversions

Conversions Part 2

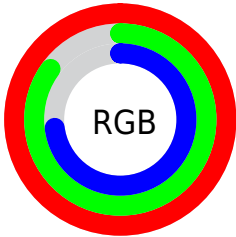
Format	Color
R _Y B	255, 241, 185
Decimal	16767161
CIE Lab	88.86, 9.12, 20.35
CIE LCh	89, 22.302, 65.875
Yxy	73.8745, 0.3643, 0.3610
Android (android.graphics.Color)	4294957241 (0xFFFFD8B9)
YUV	224.1270, -19.2896, 27.0756
Hunter-Lab	85.9503, 4.4107, 21.3877

Details

The Yxy color **73.8745, 0.3643, 0.3610** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **70.8225, 0.2691, 0.2946**, and the grayscale version is **74.7602, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1309, 0.3209, 0.3425**, and **39.0260, 0.3760, 0.3674** is the 20% darker color. If you saturate the color by 10%, you get **65.9319, 0.3884, 0.3732**, and if you desaturate by 10%, it is **82.6457, 0.3431, 0.3489**.

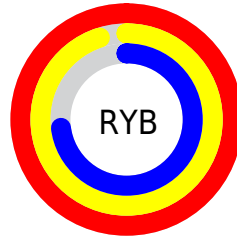
Distribution



Red (100%)

Green (85%)

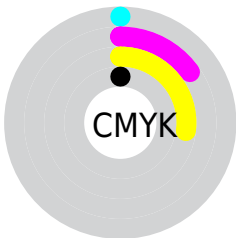
Blue (73%)



Red (100%)

Yellow (95%)

Blue (73%)

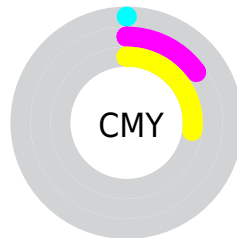


Cyan (0%)

Magenta (15%)

Yellow (27%)

Black (0%)



Cyan (0%)


Magenta (15%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.8745, 0.3643, 0.3610 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 73.8745, 0.3643, 0.3610 by changing the saturation by 10% instead.


 73.8745, 0.3643,
0.3610

 73.8745, 0.3643,
0.3610


474.0401, 0.3404,
0.3467

 54.6913, 0.3698,
0.3641


 124.7179, 0.3560,
0.3561

 39.1546, 0.3765,
0.3679


157.1469, 0.3528,
0.3542

 26.8801, 0.3850,
0.3726


194.7600, 0.3500,
0.3526

 17.4832, 0.3960,
0.3784

237.9415, 0.3476,
0.3511

 10.5796, 0.4109,
0.3859

287.0759, 0.3454,
0.3498

 5.7849, 0.4319,
0.3957

342.5475, 0.3435,

 2.7147, 0.4634,

0.3486

0.4086

404.7408, 0.3419,
0.3476

0.9847, 0.5484,
0.4516

0.0000, 1.0000,
0.0000

73.8745, 0.3643,
0.3610

73.8745, 0.3643,
0.3610

65.9319, 0.3884,
0.3732

82.6457, 0.3431,
0.3489

58.7816, 0.4153,
0.3848

92.2600, 0.3248,
0.3372

52.3991, 0.4445,
0.3948

99.9995, 0.3127,
0.3290

46.7547, 0.4750,
0.4021

■ 41.8164, 0.5051,
0.4052

■ 37.5483, 0.5325,
0.4031

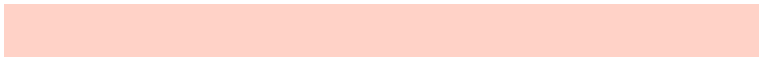
■ 33.9086, 0.5552,
0.3956

■ 33.0735, 0.5605,
0.3932

Harmonies

Analogous

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



73.8745, 0.3638, 0.3403



73.8745, 0.3643, 0.3610



73.8745, 0.3504, 0.3743

Triad

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



73.8745, 0.3643, 0.3610



73.8745, 0.2772, 0.3392



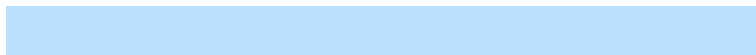
73.8745, 0.2971, 0.2870

Complementary

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



73.8745, 0.3643, 0.3610



70.8225, 0.2691, 0.2946

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.



73.8745, 0.2752, 0.2852



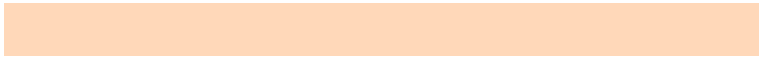
73.8745, 0.3643, 0.3610



73.8745, 0.2642, 0.3141

Square

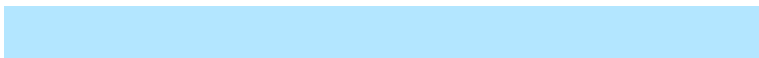
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.8745, 0.3643, 0.3610



73.8745, 0.2999, 0.3623



73.8745, 0.2635, 0.2947



73.8745, 0.3241, 0.2988

Rectangle

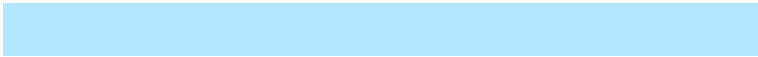
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.8745, 0.3643, 0.3610



73.8745, 0.3353, 0.3766



73.8745, 0.2635, 0.2947



73.8745, 0.2890, 0.2852

Sweetspot

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



73.8779, 0.3643, 0.3610



91.7208, 0.3257, 0.3379



61.3644, 0.3394, 0.2887



19.3121, 0.3283, 0.3396



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.



73.8779, 0.3643, 0.3610



69.3775, 0.3773, 0.3678



93.3374, 0.3555, 0.3937



19.3121, 0.3283, 0.3396



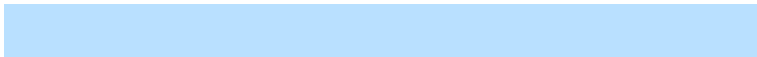
17.5686, 0.5577, 0.3954



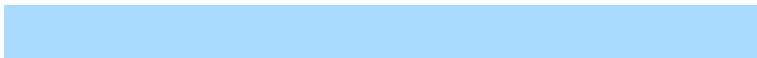
1.9243, 0.5381, 0.4110

Inverse Universe

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



70.8225, 0.2691, 0.2946



65.8506, 0.2602, 0.2865



54.2036, 0.2651, 0.2549



19.0553, 0.2979, 0.3182



14.1813, 0.1825, 0.1768



1.5988, 0.1877, 0.1956

Previews

White Background



This preview shows how the Yxy color 73.8745, 0.3643, 0.3610 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 73.8745, 0.3643, 0.3610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

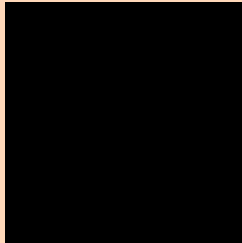
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.8745, 0.3643, 0.3610

Background



This preview shows how black text looks on a background with the Yxy color 73.8745, 0.3643, 0.3610.



This preview shows how white text looks on a background with the Yxy color 73.8745, 0.3643, 0.3610.

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

73.8745, 0.3643, 0.3610

Protanopia

74.0684, 0.3452, 0.3667

Deuteranopia

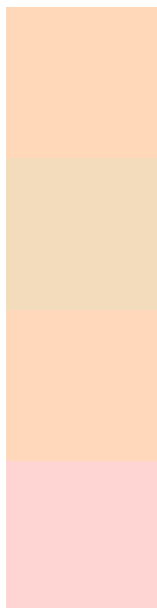
74.0459, 0.3613, 0.3568



Tritanopia

73.8380, 0.3349, 0.3150

Trichromacy



Original Color

73.8745, 0.3643, 0.3610

Protanomaly

73.6515, 0.3518, 0.3641

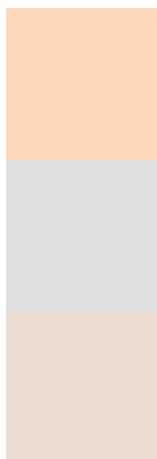
Deuteranomaly

74.0026, 0.3621, 0.3579

Tritanomaly

73.5516, 0.3457, 0.3311

Monochromacy



Original Color

73.8745, 0.3643, 0.3610

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

74.0282, 0.3303, 0.3407

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.8745, 0.3643, 0.3610 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, 185)` looks like.

```
.text, #text, p{  
    color:rgb(255, 216, 185)  
}
```

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, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 216, 185) }
```

Border

The CSS property to change the border of an element to Yxy 73.8745, 0.3643, 0.3610 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, 185) }
```

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

```
.border{ border-color:rgb(255, 216, 185) }
```

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, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 216, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 216, 185);  
box-shadow:4px 4px 4px 4px rgb(255, 216,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 73.8745, 0.3643, 0.3610 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, 185) }
```

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

```
.background{ background-color: rgb(255,  
216, 185) }
```

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