

# Converting Colors

$Y_{xy}(100.0000, 0.4126, 0.3714)$

Have a look what the booklet for  
Yxy(100.0000, 0.4126, 0.3714)  
contains.

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# Color

**Yxy(83.5245, 0.3609, 0.3806)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEAB7
RGB	255, 234, 183
RGB Percent	100%, 92%, 72%
CMY	0.0001, 0.0823, 0.2825
CMYK	0.00, 0.08, 0.28, 0.00
HSL	43°, 100%, 86%
HSV	43°, 28%, 100%
XYZ	79.2012, 83.5245, 56.7291
YIQ	234.4650, 28.8870, -11.4090

# Conversions

## Conversions Part 2

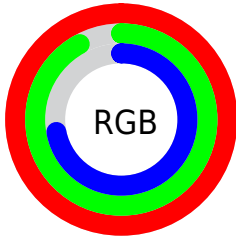
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	213, 255, 183
Decimal	16771767
CIE Lab	93.24, -0.37, 27.42
CIE LCh	93, 27.420, 90.770
Yxy	83.5245, 0.3609, 0.3806
Android (android.graphics.Color)	4294961847 (0xFFFFEAB7)
YUV	234.4650, -25.3722, 18.0092
Hunter-Lab	91.3917, -5.2452, 27.1715

# Details

The Yxy color **83.5245, 0.3609, 0.3806** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **60.4349, 0.2656, 0.2714**, and the grayscale version is **82.8286, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0120, 0.3220, 0.3444**, and **45.3228, 0.3708, 0.3910** is the 20% darker color. If you saturate the color by 10%, you get **78.4225, 0.3803, 0.3992**, and if you desaturate by 10%, it is **89.0035, 0.3426, 0.3618**.

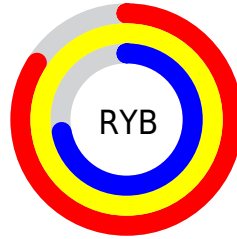
# Distribution



Red (100%)

Green (92%)

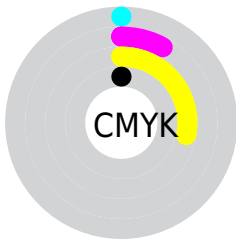
Blue (72%)



Red (84%)

Yellow (100%)

Blue (72%)

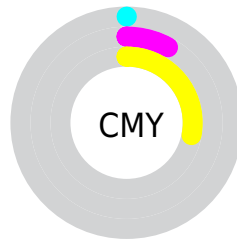


Cyan (0%)

Magenta (8%)

Yellow (28%)

Black (0%)



Cyan (0%)

Magenta (8%)


Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.5245, 0.3609, 0.3806 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 83.5245, 0.3609, 0.3806 by changing the saturation by 10% instead.



 83.5245, 0.3609,  
0.3806

 83.5245, 0.3609,  
0.3806

506.7329, 0.3393,  
0.3574

 62.6229, 0.3656,  
0.3857

 138.3098, 0.3536,  
0.3727

 45.5362, 0.3714,  
0.3918


172.9624, 0.3507,  
0.3696

 31.8800, 0.3784,  
0.3994


212.9674, 0.3481,  
0.3669

 21.2699, 0.3873,  
0.4090

258.7092, 0.3459,  
0.3646

 13.3214, 0.3989,  
0.4215

310.5723, 0.3440,  
0.3625

 7.6502, 0.4141,  
0.4379

368.9410, 0.3423,

 3.8720, 0.4346,

0.3606

0.4602

434.1997, 0.3407,  
0.3589

■ 1.6022, 0.4851,  
0.5149

■ 0.3591, 0.4806,  
0.5194

■ 83.5245, 0.3609,  
0.3806

■ 83.5245, 0.3609,  
0.3806

■ 78.4225, 0.3803,  
0.3992

■ 89.0035, 0.3426,  
0.3618

■ 73.6735, 0.4004,  
0.4168

■ 94.8598, 0.3256,  
0.3435

■ 69.2679, 0.4204,  
0.4324

99.9959, 0.3127,  
0.3290

■ 65.1906, 0.4394,  
0.4448

■ 61.4252, 0.4564,  
0.4531

■ 57.9522, 0.4707,  
0.4564

■ 54.7457, 0.4818,  
0.4548

■ 54.2035, 0.4836,  
0.4542

# Harmonies

## Analogous

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



83.5245, 0.3748, 0.3626



83.5245, 0.3609, 0.3806



83.5245, 0.3342, 0.3850

# Triad

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



83.5245, 0.3609, 0.3806



83.5245, 0.2574, 0.3159



83.5245, 0.3205, 0.2906

# Complementary

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



83.5245, 0.3609, 0.3806



60.4349, 0.2656, 0.2714

# 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.



83.5245, 0.2892, 0.2787



83.5245, 0.3609, 0.3806



83.5245, 0.2541, 0.2915

# Square

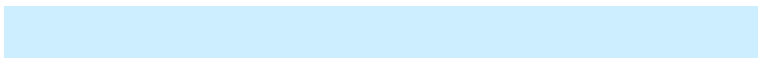
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.5245, 0.3609, 0.3806



83.5245, 0.2748, 0.3461



83.5245, 0.2654, 0.2786



83.5245, 0.3510, 0.3116

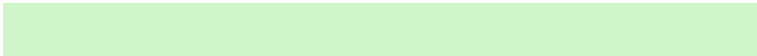


# Rectangle

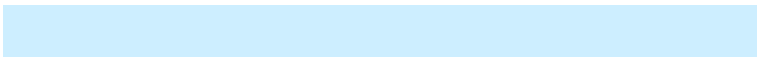
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.5245, 0.3609, 0.3806



83.5245, 0.3132, 0.3784



83.5245, 0.2654, 0.2786



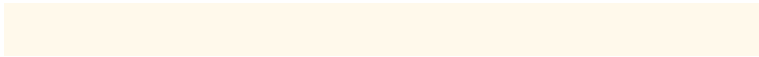
83.5245, 0.3097, 0.2855

# Sweetspot

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



83.5283, 0.3609, 0.3806



95.0245, 0.3252, 0.3431



59.4971, 0.3564, 0.3068



20.1449, 0.3276, 0.3458



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

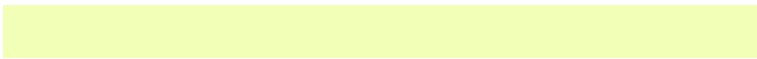
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.5283, 0.3609, 0.3806



80.5593, 0.3720, 0.3914



93.5500, 0.3458, 0.4022



20.1449, 0.3276, 0.3458



28.5982, 0.4823, 0.4553



2.9731, 0.4734, 0.4624



# Inverse Universe

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



60.4349, 0.2656, 0.2714



53.9563, 0.2550, 0.2574



52.9931, 0.2730, 0.2490



18.2391, 0.2979, 0.3116



6.5694, 0.1604, 0.0973



0.8182, 0.1664, 0.1191



# Previews

## White Background



This preview shows how the Yxy color 83.5245, 0.3609, 0.3806 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

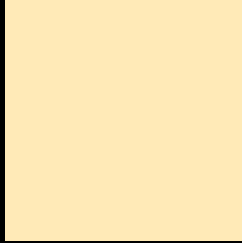
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.5245, 0.3609, 0.3806 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

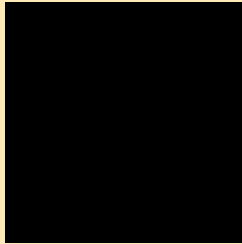
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 83.5245, 0.3609, 0.3806**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.5245, 0.3609, 0.3806.



This preview shows how white text looks on a background with the Yxy color 83.5245, 0.3609, 0.3806.

# 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

83.5245, 0.3609, 0.3806

### Protanopia

83.3866, 0.3571, 0.3810

### Deuteranopia

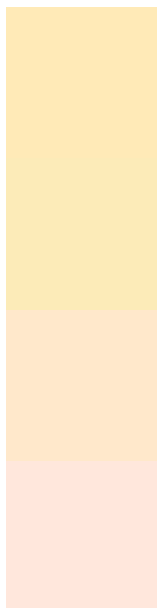
83.2669, 0.3406, 0.3461



## Tritanopia

83.6495, 0.3229, 0.3173

# Trichromacy



## Original Color

83.5245, 0.3609, 0.3806

## Protanomaly

83.5728, 0.3578, 0.3809

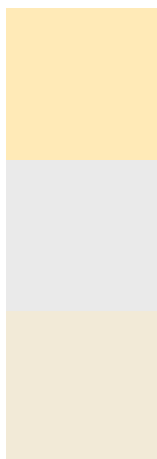
## Deuteranomaly

83.2850, 0.3479, 0.3583

## Tritanomaly

83.5791, 0.3366, 0.3400

# Monochromacy



## Original Color

83.5245, 0.3609, 0.3806

## Achromatopsia

82.2786, 0.3127, 0.3290

## Achromatomaly

82.6292, 0.3303, 0.3486

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.5245, 0.3609, 0.3806 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, 234, 183)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 183)  
}
```

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, 234, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 83.5245, 0.3609, 0.3806 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, 234, 183) }
```

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

```
.border{ border-color:rgb(255, 234, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 234, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 183);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
183) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.5245, 0.3609, 0.3806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 183) }
```

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

```
.background{ background-color: rgb(255,  
234, 183) }
```

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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