

# Converting Colors

$Yxy(86.5915, 0.3693, 0.3802)$

Have a look what the booklet for  
Yxy(86.5915, 0.3693, 0.3802)  
contains.

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# Color

**Yxy(84.0956, 0.3606, 0.3815)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEBB7
RGB	255, 235, 183
RGB Percent	100%, 92%, 72%
CMY	0.0001, 0.0784, 0.2823
CMYK	0.00, 0.08, 0.28, 0.00
HSL	43°, 100%, 86%
HSV	43°, 28%, 100%
XYZ	79.4885, 84.0956, 56.8499
YIQ	235.0520, 28.6120, -11.9320

# Conversions

## Conversions Part 2

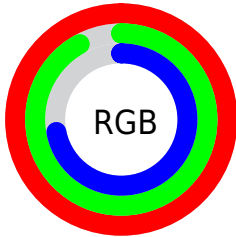
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	211, 255, 183
Decimal	16772023
CIE <sub>Lab</sub>	93.49, -0.87, 27.73
CIE <sub>LCh</sub>	93, 27.746, 91.799
Yxy	84.0956, 0.3606, 0.3815
Android (android.graphics.Color)	4294962103 (0xFFFFEBB7)
YUV	235.0520, -25.6616, 17.4944
Hunter-Lab	91.7037, -5.7580, 27.4368

# Details

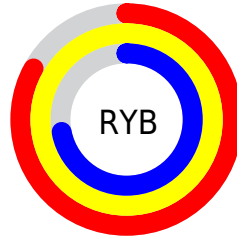
The Yxy color **84.0956, 0.3606, 0.3815** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **59.9854, 0.2655, 0.2702**, and the grayscale version is **83.3029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0120, 0.3220, 0.3444**, and **45.7222, 0.3704, 0.3922** is the 20% darker color. If you saturate the color by 10%, you get **79.1627, 0.3798, 0.4004**, and if you desaturate by 10%, it is **89.3894, 0.3424, 0.3624**.

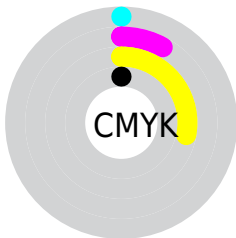
# Distribution



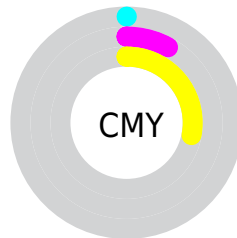
- Red (100%)
- Green (92%)
- Blue (72%)



- Red (83%)
- 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 84.0956, 0.3606, 0.3815 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 84.0956, 0.3606, 0.3815 by changing the saturation by 10% instead.





 84.0956, 0.3606,  
0.3815

 84.0956, 0.3606,  
0.3815


508.6306, 0.3392,  
0.3579

 63.0944, 0.3653,  
0.3867


 139.1089, 0.3533,  
0.3735

 45.9176, 0.3709,  
0.3929


173.8898, 0.3505,  
0.3703

 32.1808, 0.3779,  
0.4007

214.0326, 0.3480,  
0.3676

 21.4996, 0.3867,  
0.4104

259.9219, 0.3458,  
0.3652

 13.4897, 0.3980,  
0.4231

311.9419, 0.3438,  
0.3631

 7.7666, 0.4129,  
0.4398

370.4771, 0.3421,

 3.9460, 0.4329,

0.3612

0.4625

435.9119, 0.3406,  
0.3595

■ 1.6434, 0.4822,  
0.5178

■ 0.3866, 0.4724,  
0.5276

■ 84.0956, 0.3606,  
0.3815

■ 84.0956, 0.3606,  
0.3815

■ 79.1627, 0.3798,  
0.4004

■ 89.3894, 0.3424,  
0.3624

■ 74.5670, 0.3995,  
0.4183

■ 95.0441, 0.3255,  
0.3437

■ 70.2992, 0.4190,  
0.4341

99.9943, 0.3127,  
0.3290

■ 66.3445, 0.4375,  
0.4468

■ 62.6868, 0.4540,  
0.4553

■ 59.3070, 0.4677,  
0.4589

■ 56.1796, 0.4782,  
0.4576

■ 55.6436, 0.4800,  
0.4571

# Harmonies

## Analogous

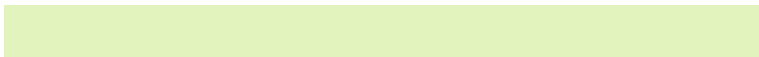
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.0956, 0.3752, 0.3636



84.0956, 0.3606, 0.3815



84.0956, 0.3333, 0.3854

# Triad

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



84.0956, 0.3606, 0.3815



84.0956, 0.2565, 0.3148



84.0956, 0.3217, 0.2909

# Complementary

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



84.0956, 0.3606, 0.3815



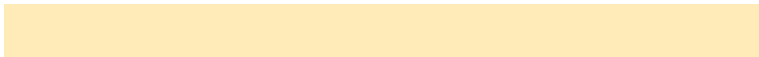
59.9854, 0.2655, 0.2702

# 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.



84.0956, 0.2900, 0.2784



84.0956, 0.3606, 0.3815



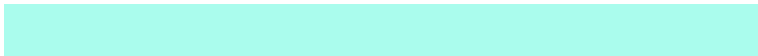
84.0956, 0.2537, 0.2905

# Square

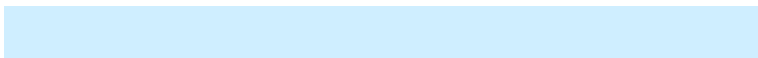
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.0956, 0.3606, 0.3815



84.0956, 0.2736, 0.3452



84.0956, 0.2656, 0.2779



84.0956, 0.3523, 0.3123

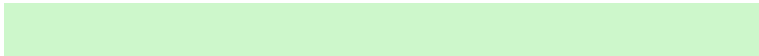


# Rectangle

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



84.0956, 0.3606, 0.3815



84.0956, 0.3121, 0.3784



84.0956, 0.2656, 0.2779



84.0956, 0.3108, 0.2856

# Sweetspot

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



84.0994, 0.3606, 0.3815



95.1984, 0.3252, 0.3433



59.4590, 0.3574, 0.3080



20.1889, 0.3276, 0.3461



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

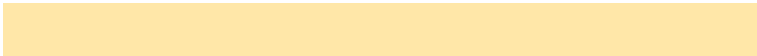


# Same Dimension

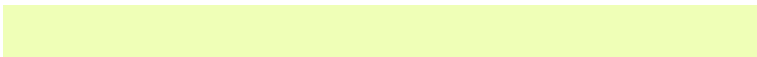
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.0994, 0.3606, 0.3815



81.2255, 0.3716, 0.3925



93.3375, 0.3450, 0.4024



20.1889, 0.3276, 0.3461



29.3465, 0.4787, 0.4581



3.0411, 0.4704, 0.4647



# Inverse Universe

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



59.9854, 0.2655, 0.2702



53.4284, 0.2548, 0.2560



53.1800, 0.2738, 0.2492



18.1976, 0.2979, 0.3113



6.3223, 0.1595, 0.0942



0.7896, 0.1655, 0.1157



# Previews

## White Background



This preview shows how the Yxy color 84.0956, 0.3606, 0.3815 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

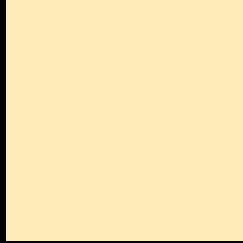
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.0956, 0.3606, 0.3815 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

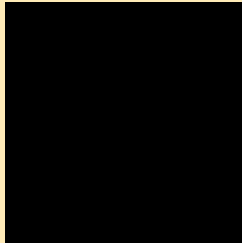
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.0956, 0.3606, 0.3815**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.0956, 0.3606, 0.3815.



This preview shows how white text looks on a background with the Yxy color 84.0956, 0.3606, 0.3815.

# 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

84.0956, 0.3606, 0.3815

### Protanopia

84.1052, 0.3582, 0.3829

### Deuteranopia

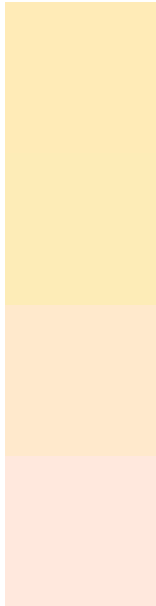
83.9311, 0.3391, 0.3451



## Tritanopia

84.2644, 0.3222, 0.3173

# Trichromacy



## Original Color

84.0956, 0.3606, 0.3815

## Protanomaly

84.2924, 0.3589, 0.3827

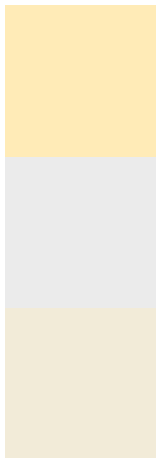
## Deuteranomaly

83.8975, 0.3470, 0.3582

## Tritanomaly

84.1937, 0.3358, 0.3400

# Monochromacy



## Original Color

84.0956, 0.3606, 0.3815

## Achromatopsia

83.0770, 0.3127, 0.3290

## Achromatomaly

83.2518, 0.3296, 0.3485

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.0956, 0.3606, 0.3815 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, 235, 183)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 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, 235, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 84.0956, 0.3606, 0.3815 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, 235, 183) }
```

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

```
.border{ border-color:rgb(255, 235, 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, 235, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 183);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
183) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.0956, 0.3606, 0.3815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 183) }
```

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

```
.background{ background-color: rgb(255,  
235, 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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