

# Converting Colors

$Y_{xy}(84.1619, 0.3619, 0.3838)$

Have a look what the booklet for  
Yxy(84.1619, 0.3619, 0.3838)  
contains.

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# Color

**Yxy(84.0129, 0.3620, 0.3835)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE8B5
RGB	255, 235, 181
RGB Percent	100%, 92%, 71%
CMY	0.0000, 0.0785, 0.2902
CMYK	0.00, 0.08, 0.29, 0.00
HSL	44°, 100%, 85%
HSV	44°, 29%, 100%
XYZ	79.3029, 84.0129, 55.7530
YIQ	234.8240, 29.2540, -12.5540

# Conversions

## Conversions Part 2

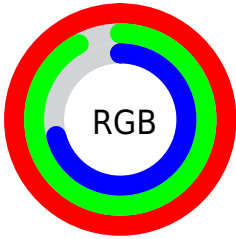
Format	Color
R <sub>Y</sub> B	208, 255, 181
Decimal	16772021
CIE Lab	93.46, -1.08, 28.71
CIE LCh	93, 28.733, 92.161
Yxy	84.0129, 0.3620, 0.3835
Android (android.graphics.Color)	4294962101 (0xFFFFE8B5)
YUV	234.8240, -26.5352, 17.6944
Hunter-Lab	91.6586, -5.9644, 28.0967

# Details

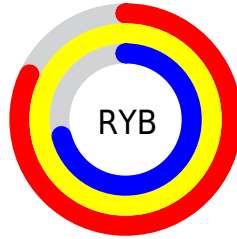
The Yxy color **84.0129, 0.3620, 0.3835** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **58.8238, 0.2640, 0.2677**, and the grayscale version is **83.1203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8944, 0.3232, 0.3464**, and **45.6690, 0.3721, 0.3948** is the 20% darker color. If you saturate the color by 10%, you get **79.1818, 0.3811, 0.4025**, and if you desaturate by 10%, it is **89.1767, 0.3438, 0.3642**.

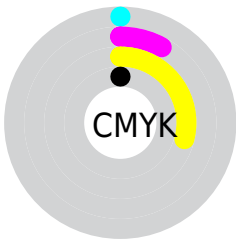
# Distribution



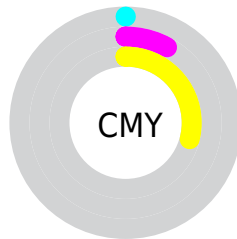
- Red (100%)
- Green (92%)
- Blue (71%)



- Red (82%)
- Yellow (100%)
- Blue (71%)



- Cyan (0%)
- Magenta (8%)
- Yellow (29%)
- Black (0%)




- Cyan (0%)
- Magenta (8%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.0129, 0.3620, 0.3835 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 84.0129, 0.3620, 0.3835 by changing the saturation by 10% instead.




 84.0129, 0.3620,  
0.3835

 84.0129, 0.3620,  
0.3835


508.3561, 0.3400,  
0.3591

 63.0261, 0.3668,  
0.3889


 138.9932, 0.3545,  
0.3752

 45.8623, 0.3726,  
0.3954


173.7555, 0.3516,  
0.3719

 32.1372, 0.3798,  
0.4034

213.8784, 0.3490,  
0.3691

 21.4663, 0.3887,  
0.4135

259.7464, 0.3468,  
0.3666

 13.4653, 0.4002,  
0.4265

311.7437, 0.3448,  
0.3644

 7.7497, 0.4153,  
0.4437

370.2548, 0.3430,

 3.9352, 0.4355,

0.3624

0.4671

435.6642, 0.3414,  
0.3606

■ 1.6374, 0.4809,  
0.5191

■ 0.3826, 0.4685,  
0.5315

■ 84.0129, 0.3620,  
0.3835

■ 84.0129, 0.3620,  
0.3835

■ 79.1818, 0.3811,  
0.4025

■ 89.1767, 0.3438,  
0.3642

■ 74.6892, 0.4007,  
0.4204

■ 94.7025, 0.3268,  
0.3454

■ 70.5159, 0.4199,  
0.4362

100.0000, 0.3127,  
0.3290

■ 66.6473, 0.4380,  
0.4487

■ 63.0671, 0.4540,  
0.4569

■ 59.7561, 0.4671,  
0.4602

■ 56.6869, 0.4772,  
0.4588

■ 56.3954, 0.4782,  
0.4585

# Harmonies

## Analogous

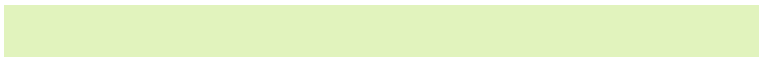
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.0129, 0.3774, 0.3650



84.0129, 0.3620, 0.3835



84.0129, 0.3336, 0.3875

# Triad

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



84.0129, 0.3620, 0.3835



84.0129, 0.2545, 0.3138



84.0129, 0.3224, 0.2898

# Complementary

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



84.0129, 0.3620, 0.3835



58.8238, 0.2640, 0.2677

# 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.



84.0129, 0.2895, 0.2768



84.0129, 0.3620, 0.3835



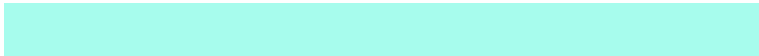
84.0129, 0.2518, 0.2888

# Square

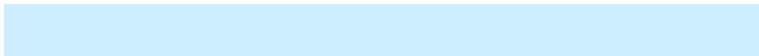
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.0129, 0.3620, 0.3835



84.0129, 0.2719, 0.3454



84.0129, 0.2642, 0.2761



84.0129, 0.3541, 0.3120

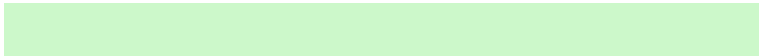


# Rectangle

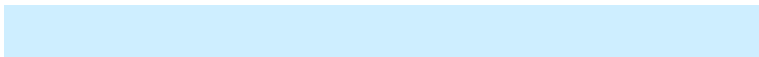
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.0129, 0.3620, 0.3835



84.0129, 0.3116, 0.3801



84.0129, 0.2642, 0.2761



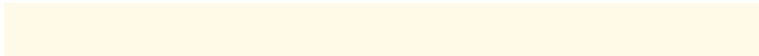
84.0129, 0.3111, 0.2843

# Sweetspot

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



84.0070, 0.3620, 0.3835



94.7130, 0.3268, 0.3453



58.5718, 0.3591, 0.3074



20.0955, 0.3291, 0.3480



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

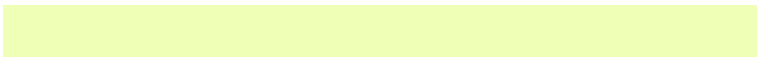
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.0070, 0.3620, 0.3835



81.0801, 0.3733, 0.3950



93.2014, 0.3459, 0.4045



20.2109, 0.3276, 0.3463



29.7283, 0.4770, 0.4595



3.0757, 0.4689, 0.4659



# Inverse Universe

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



58.8238, 0.2640, 0.2677



52.0773, 0.2528, 0.2527



52.1442, 0.2725, 0.2467



18.1768, 0.2979, 0.3111



6.2035, 0.1591, 0.0927



0.7757, 0.1650, 0.1140



# Previews

## White Background



This preview shows how the Yxy color 84.0129, 0.3620, 0.3835 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

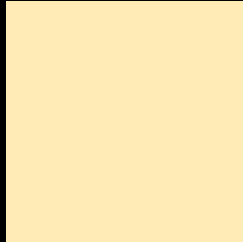
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.0129, 0.3620, 0.3835 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

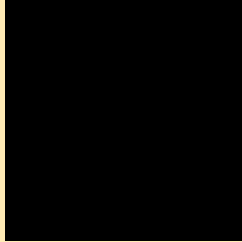
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.0129, 0.3620, 0.3835**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.0129, 0.3620, 0.3835.



This preview shows how white text looks on a background with the Yxy color 84.0129, 0.3620, 0.3835.

# 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

84.0129, 0.3620, 0.3835

### Protanopia

84.0225, 0.3595, 0.3849

### Deuteranopia

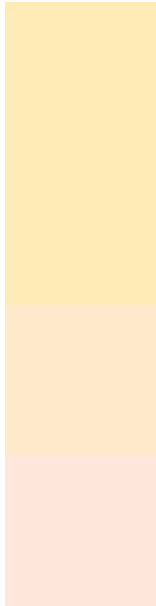
83.8795, 0.3398, 0.3461



## Tritanopia

83.7094, 0.3222, 0.3163

# Trichromacy



**Original Color**

84.0129, 0.3620, 0.3835

**Protanomaly**

84.2097, 0.3602, 0.3848

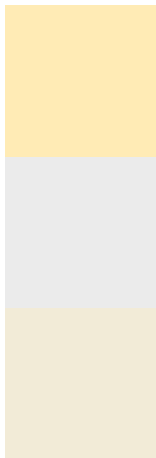
**Deuteranomaly**

83.8496, 0.3477, 0.3592

**Tritanomaly**

83.5791, 0.3366, 0.3400

# Monochromacy



**Original Color**

84.0129, 0.3620, 0.3835

**Achromatopsia**

83.0770, 0.3127, 0.3290

**Achromatomaly**

83.2002, 0.3302, 0.3496

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.0129, 0.3620, 0.3835 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, 181)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 181)  
}
```

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, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 181) }
```

## Border

The CSS property to change the border of an element to Yxy 84.0129, 0.3620, 0.3835 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, 181) }
```

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

```
.border{ border-color:rgb(255, 235, 181) }
```

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, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 181);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
181) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.0129, 0.3620, 0.3835 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, 181) }
```

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

```
.background{ background-color: rgb(255,  
235, 181) }
```

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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