

# Converting Colors

Yxy(86.9513, 0.3475, 0.3480)

Have a look what the booklet for  
Yxy(86.9513, 0.3475, 0.3480)  
contains.

<b>Yxy(84.9607, 0.3402, 0.3490)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(84.9607, 0.3402, 0.3490)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEAD6
RGB	255, 234, 214
RGB Percent	100%, 92%, 84%
CMY	0.0000, 0.0824, 0.1607
CMYK	0.00, 0.08, 0.16, 0.00
HSL	29°, 100%, 92%
HSV	29°, 16%, 100%
XYZ	82.8184, 84.9607, 75.6613
YIQ	237.9990, 18.9360, -1.7680

# Conversions

## Conversions Part 2

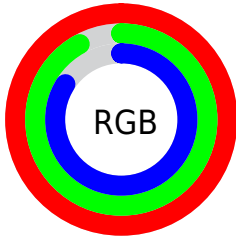
Format	Color
R <sub>Y</sub> B	255, 253, 214
Decimal	16771798
CIE Lab	93.87, 4.00, 12.28
CIE LCh	94, 12.914, 71.936
Yxy	84.9607, 0.3402, 0.3490
Android (android.graphics.Color)	4294961878 (0xFFFEAD6)
YUV	237.9990, -11.8315, 14.9099
Hunter-Lab	92.1741, -0.9225, 15.8536

# Details

The Yxy color **84.9607, 0.3402, 0.3490** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **80.9524, 0.2874, 0.3081**, and the grayscale version is **85.5747, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.3498, 0.3466, 0.3534** is the 20% darker color. If you saturate the color by 10%, you get **76.5782, 0.3605, 0.3622**, and if you desaturate by 10%, it is **94.0807, 0.3224, 0.3363**.

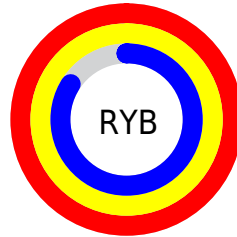
# Distribution



Red (100%)

Green (92%)

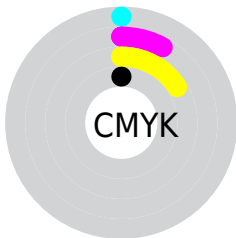
Blue (84%)



Red (100%)

Yellow (99%)

Blue (84%)

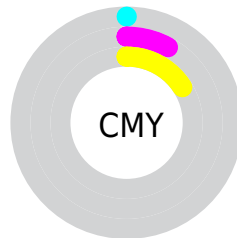


Cyan (0%)

Magenta (8%)

Yellow (16%)

Black (0%)



Cyan (0%)

Magenta (8%)


Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.9607, 0.3402, 0.3490 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 84.9607, 0.3402, 0.3490 by changing the saturation by 10% instead.



 84.9607, 0.3402,  
0.3490

 84.9607, 0.3402,  
0.3490

511.4980, 0.3278,  
0.3401

 63.8089, 0.3430,  
0.3510


140.3183, 0.3359,  
0.3460

 46.4959, 0.3464,  
0.3533

175.2928, 0.3343,  
0.3448

 32.6373, 0.3506,  
0.3563


215.6438, 0.3328,  
0.3437

 21.8488, 0.3560,  
0.3600

261.7555, 0.3316,  
0.3428

 13.7458, 0.3633,  
0.3650

314.0124, 0.3305,  
0.3420

 7.9441, 0.3734,  
0.3717

372.7988, 0.3295,

 4.0592, 0.3885,

0.3413

0.3814

438.4993, 0.3286,  
0.3407

■ 1.7067, 0.4137,  
0.3971

■ 0.4280, 0.5410,  
0.4590

■ 84.9607, 0.3402,  
0.3490

■ 84.9607, 0.3402,  
0.3490

■ 76.5782, 0.3605,  
0.3622

■ 94.0807, 0.3224,  
0.3363

■ 68.9359, 0.3834,  
0.3756

100.0000, 0.3127,  
0.3290

■ 62.0033, 0.4087,  
0.3884

■ 55.7567, 0.4361,  
0.3998

■ 50.1707, 0.4646,  
0.4085

■ 45.2177, 0.4926,  
0.4133

■ 40.8670, 0.5182,  
0.4129

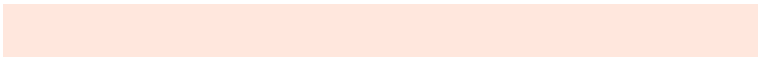
■ 37.0835, 0.5398,  
0.4069

■ 35.7374, 0.5474,  
0.4035

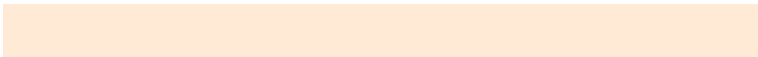
# Harmonies

## Analogous

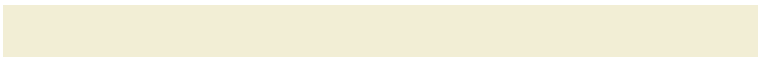
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.9607, 0.3415, 0.3383



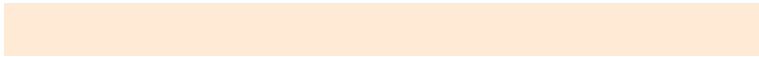
84.9607, 0.3402, 0.3490



84.9607, 0.3314, 0.3547

# Triad

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



84.9607, 0.3402, 0.3490



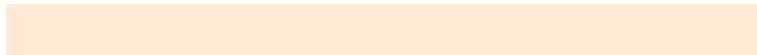
84.9607, 0.2910, 0.3320



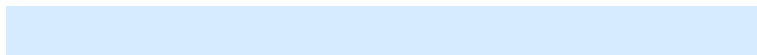
84.9607, 0.3072, 0.3061

# Complementary

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



84.9607, 0.3402, 0.3490



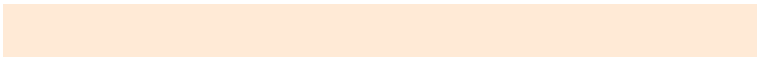
80.9524, 0.2874, 0.3081

# Split Complementary

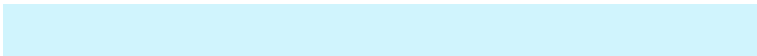
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.9607, 0.2940, 0.3041



84.9607, 0.3402, 0.3490



84.9607, 0.2848, 0.3186

# Square

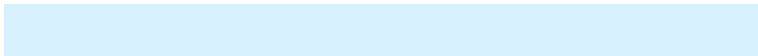
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.9607, 0.3402, 0.3490



84.9607, 0.3029, 0.3449



84.9607, 0.2859, 0.3085

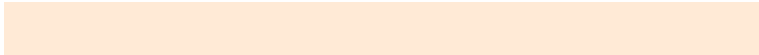


84.9607, 0.3222, 0.3139



# Rectangle

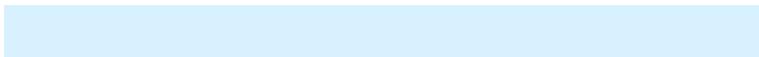
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.9607, 0.3402, 0.3490



84.9607, 0.3226, 0.3545



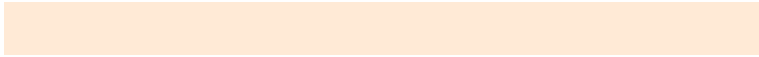
84.9607, 0.2859, 0.3085



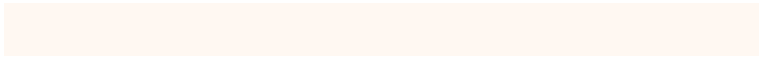
84.9607, 0.3024, 0.3048

# Sweetspot

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



84.9528, 0.3402, 0.3490



95.1053, 0.3206, 0.3350



75.3699, 0.3282, 0.3080



20.2126, 0.3218, 0.3359



0.0000, 0.0000, 0.0000

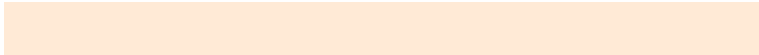


21.4041, 0.3127, 0.3290

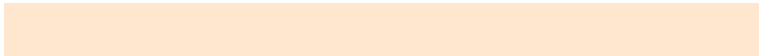


# Same Dimension

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



84.9528, 0.3402, 0.3490



82.4241, 0.3458, 0.3528



97.2008, 0.3370, 0.3684



19.4482, 0.3282, 0.3406



18.9701, 0.5448, 0.4056

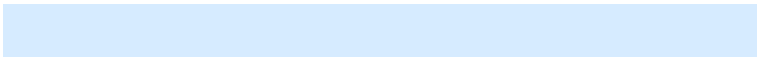


2.0648, 0.5267, 0.4200

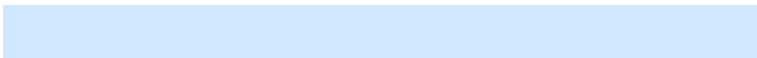


# Inverse Universe

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



80.9524, 0.2874, 0.3081



77.7927, 0.2826, 0.3039



69.9657, 0.2865, 0.2863



18.9180, 0.2979, 0.3171



12.5200, 0.1782, 0.1617

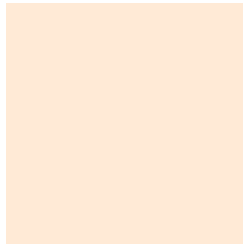


1.4378, 0.1839, 0.1819



# Previews

## White Background



This preview shows how the Yxy color 84.9607, 0.3402, 0.3490 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

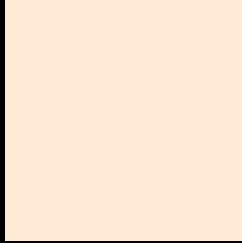
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.9607, 0.3402, 0.3490 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

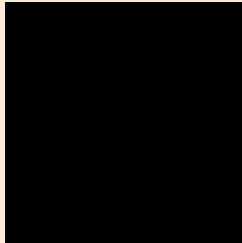
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.9607, 0.3402, 0.3490**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.9607, 0.3402, 0.3490.

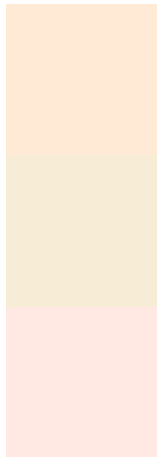


This preview shows how white text looks on a background with the Yxy color 84.9607, 0.3402, 0.3490.

# 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

84.9607, 0.3402, 0.3490

### Protanopia

85.2488, 0.3335, 0.3513

### Deuteranopia

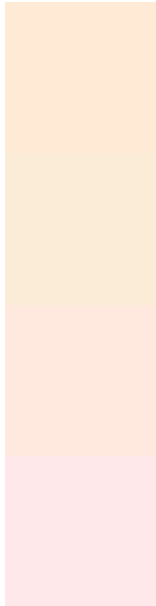
85.0288, 0.3323, 0.3360



## Tritanopia

85.0044, 0.3202, 0.3154

# Trichromacy



## Original Color

84.9607, 0.3402, 0.3490

## Protanomaly

85.2212, 0.3357, 0.3502

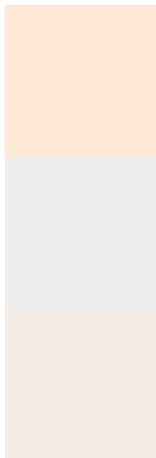
## Deuteranomaly

84.8118, 0.3350, 0.3400

## Tritanomaly

84.9137, 0.3272, 0.3271

# Monochromacy



## Original Color

84.9607, 0.3402, 0.3490

## Achromatopsia

85.4993, 0.3127, 0.3290

## Achromatomaly

85.4586, 0.3224, 0.3371

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.9607, 0.3402, 0.3490 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, 214)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 214)  
}
```

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, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 84.9607, 0.3402, 0.3490 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, 214) }
```

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

```
.border{ border-color:rgb(255, 234, 214) }
```

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, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 214);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.9607, 0.3402, 0.3490 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, 214) }
```

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

```
.background{ background-color: rgb(255,  
234, 214) }
```

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