

# Converting Colors

$Yxy(92.7217, 0.3676, 0.3486)$

Have a look what the booklet for  
Yxy(92.7217, 0.3676, 0.3486)  
contains.

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# **Color**

**Yxy(84.9097, 0.3408, 0.3500)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFEAD5
RGB	255, 234, 213
RGB Percent	100%, 92%, 84%
CMY	0.0000, 0.0823, 0.1645
CMYK	0.00, 0.08, 0.16, 0.00
HSL	30°, 100%, 92%
HSV	30°, 16%, 100%
XYZ	82.6778, 84.9097, 75.0117
YIQ	237.8850, 19.2570, -2.0790

# Conversions

## Conversions Part 2

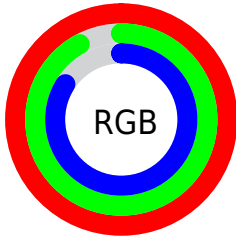
Format	Color
R <sub>Y</sub> B	255, 255, 213
Decimal	16771797
CIE Lab	93.84, 3.83, 12.75
CIE LCh	94, 13.310, 73.283
Yxy	84.9097, 0.3408, 0.3500
Android (android.graphics.Color)	4294961877 (0xFFFEAD5)
YUV	237.8850, -12.2683, 15.0099
Hunter-Lab	92.1465, -1.0984, 16.2376

# Details

The Yxy color **84.9097, 0.3408, 0.3500** is a light color, and the websafe version is hex FFFFFF. A complement of this color would be **80.2436, 0.2868, 0.3071**, and the grayscale version is **85.4961, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.3152, 0.3475, 0.3547** is the 20% darker color. If you saturate the color by 10%, you get **76.7106, 0.3611, 0.3635**, and if you desaturate by 10%, it is **93.8428, 0.3230, 0.3370**.

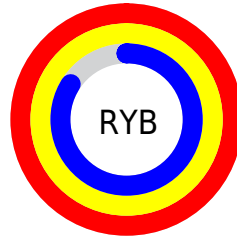
# Distribution



Red (100%)

Green (92%)

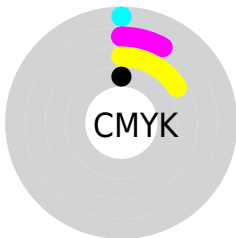
Blue (84%)



Red (100%)

Yellow (100%)

Blue (84%)

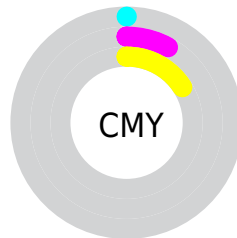


Cyan (0%)

Magenta (8%)

Yellow (16%)

Black (0%)



Cyan (0%)

Magenta (8%)


Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.9097, 0.3408, 0.3500 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 84.9097, 0.3408, 0.3500 by changing the saturation by 10% instead.




 84.9097, 0.3408,  
0.3500

 84.9097, 0.3408,  
0.3500


511.3292, 0.3281,  
0.3406

 63.7668, 0.3436,  
0.3521


140.2470, 0.3365,  
0.3468

 46.4618, 0.3471,  
0.3546

175.2102, 0.3347,  
0.3456

 32.6104, 0.3514,  
0.3576


215.5489, 0.3333,  
0.3445

 21.8281, 0.3570,  
0.3616

261.6475, 0.3320,  
0.3435

 13.7307, 0.3644,  
0.3668

313.8905, 0.3308,  
0.3427

 7.9336, 0.3747,  
0.3739

372.6621, 0.3298,

 4.0525, 0.3900,

0.3419

0.3841

438.3469, 0.3289,  
0.3413

■ 1.7030, 0.4161,  
0.4009

■ 0.4256, 0.5392,  
0.4608

■ 84.9097, 0.3408,  
0.3500

■ 84.9097, 0.3408,  
0.3500

■ 76.7106, 0.3611,  
0.3635

■ 93.8428, 0.3230,  
0.3370

■ 69.2147, 0.3839,  
0.3772

100.0000, 0.3127,  
0.3290

■ 62.4039, 0.4090,  
0.3903

■ 56.2554, 0.4360,  
0.4019

■ 50.7447, 0.4639,  
0.4108

■ 45.8449, 0.4912,  
0.4156

■ 41.5265, 0.5162,  
0.4153

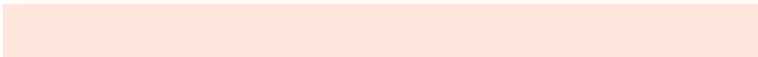
■ 37.7552, 0.5371,  
0.4094

■ 36.5352, 0.5438,  
0.4064

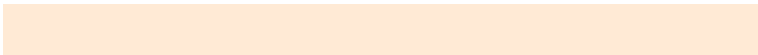
# Harmonies

## Analogous

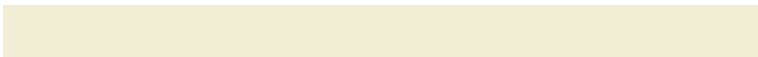
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.9097, 0.3425, 0.3391



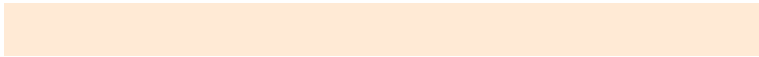
84.9097, 0.3408, 0.3500



84.9097, 0.3314, 0.3556

# Triad

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



84.9097, 0.3408, 0.3500



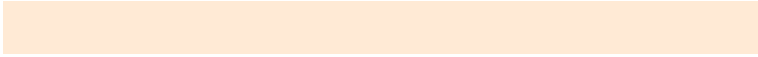
84.9097, 0.2899, 0.3315



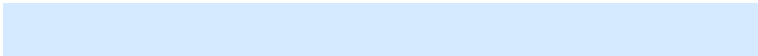
84.9097, 0.3077, 0.3057

# Complementary

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



84.9097, 0.3408, 0.3500



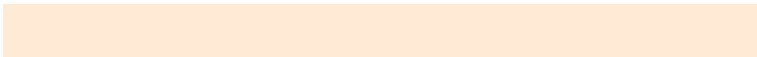
80.2436, 0.2868, 0.3071

# Split Complementary

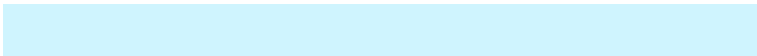
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.9097, 0.2939, 0.3033



84.9097, 0.3408, 0.3500



84.9097, 0.2838, 0.3177

# Square

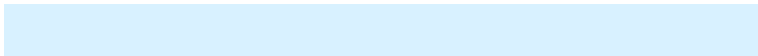
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.9097, 0.3408, 0.3500



84.9097, 0.3020, 0.3448



84.9097, 0.2853, 0.3076

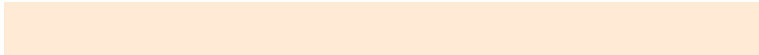


84.9097, 0.3231, 0.3139



# Rectangle

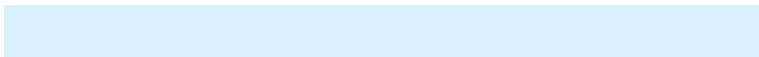
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.9097, 0.3408, 0.3500



84.9097, 0.3222, 0.3552



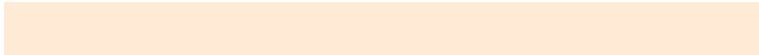
84.9097, 0.2853, 0.3076



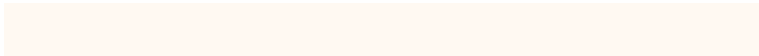
84.9097, 0.3027, 0.3042

# Sweetspot

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



84.9131, 0.3408, 0.3500



95.2017, 0.3206, 0.3352



74.8536, 0.3286, 0.3074



20.2360, 0.3217, 0.3361



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

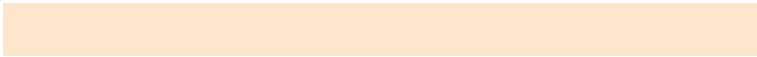


# Same Dimension

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



84.9131, 0.3408, 0.3500



81.9212, 0.3477, 0.3548



97.1411, 0.3376, 0.3694



19.4862, 0.3282, 0.3409



19.3889, 0.5412, 0.4085

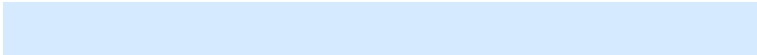


2.1062, 0.5236, 0.4225

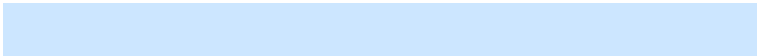


# Inverse Universe

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



80.2436, 0.2868, 0.3071



76.3872, 0.2810, 0.3018



69.3371, 0.2858, 0.2852



18.8800, 0.2979, 0.3168



12.0874, 0.1771, 0.1575

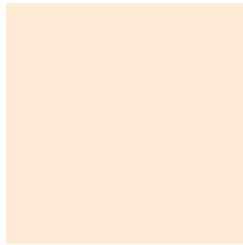


1.3953, 0.1828, 0.1781



# Previews

## White Background



This preview shows how the Yxy color 84.9097, 0.3408, 0.3500 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

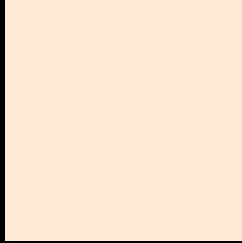
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.9097, 0.3408, 0.3500 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

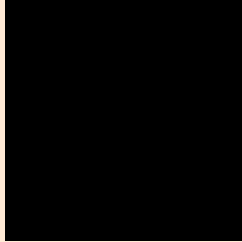
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.9097, 0.3408, 0.3500**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.9097, 0.3408, 0.3500.

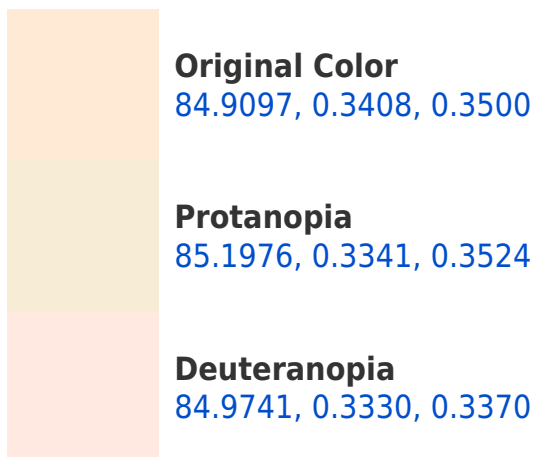


This preview shows how white text looks on a background with the Yxy color 84.9097, 0.3408, 0.3500.

# 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

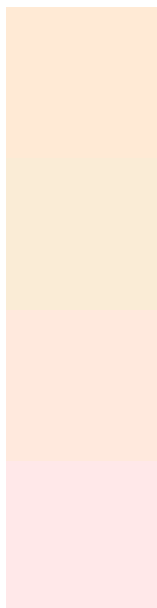




## Tritanopia

85.0044, 0.3202, 0.3154

# Trichromacy



## Original Color

84.9097, 0.3408, 0.3500

## Protanomaly

85.1699, 0.3363, 0.3512

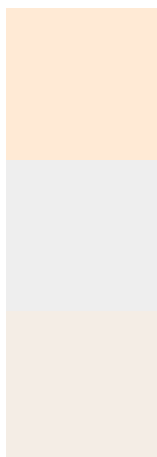
## Deuteranomaly

84.7583, 0.3357, 0.3410

## Tritanomaly

84.8564, 0.3279, 0.3281

# Monochromacy



## Original Color

84.9097, 0.3408, 0.3500

## 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 84.9097, 0.3408, 0.3500 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, 213)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 213)  
}
```

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, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 84.9097, 0.3408, 0.3500 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, 213) }
```

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

```
.border{ border-color:rgb(255, 234, 213) }
```

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, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 213);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
213) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.9097, 0.3408, 0.3500 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, 213) }
```

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

```
.background{ background-color: rgb(255,  
234, 213) }
```

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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