

# Converting Colors

$Y_{xy}(84.7091, 0.3435, 0.3541)$

Have a look what the booklet for  
Yxy(84.7091, 0.3435, 0.3541)  
contains.

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# Color

**Yxy(84.7091, 0.3435, 0.3541)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEAD1
RGB	255, 234, 209
RGB Percent	100%, 92%, 82%
CMY	0.0000, 0.0823, 0.1804
CMYK	0.00, 0.08, 0.18, 0.00
HSL	33°, 100%, 91%
HSV	33°, 18%, 100%
XYZ	82.1733, 84.7091, 72.3412
YIQ	237.4290, 20.5410, -3.3230

# Conversions

## Conversions Part 2

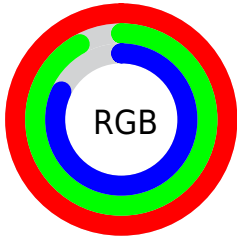
Format	Color
R <sub>Y</sub> B	248, 255, 209
Decimal	16771793
CIE Lab	93.76, 3.23, 14.72
CIE LCh	94, 15.070, 77.627
Yxy	84.7091, 0.3435, 0.3541
Android (android.graphics.Color)	4294961873 (0xFFFFEAD1)
YUV	237.4290, -14.0155, 15.4098
Hunter-Lab	92.0375, -1.6966, 17.8245

# Details

The Yxy color **84.7091, 0.3435, 0.3541** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **77.3681, 0.2841, 0.3025**, and the grayscale version is **85.1354, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.2131, 0.3501, 0.3585** is the 20% darker color. If you saturate the color by 10%, you get **77.1362, 0.3637, 0.3688**, and if you desaturate by 10%, it is **92.9243, 0.3256, 0.3399**.

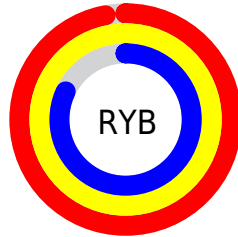
# Distribution



Red (100%)

Green (92%)

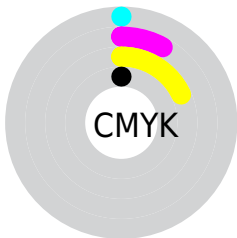
Blue (82%)



Red (97%)

Yellow (100%)

Blue (82%)

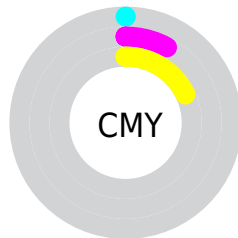


Cyan (0%)

Magenta (8%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (8%)


Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.7091, 0.3435, 0.3541 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 84.7091, 0.3435, 0.3541 by changing the saturation by 10% instead.




 84.7091, 0.3435,  
0.3541

 84.7091, 0.3435,  
0.3541

510.6650, 0.3296,  
0.3429

 63.6010, 0.3466,  
0.3566


139.9667, 0.3387,  
0.3503

 46.3276, 0.3504,  
0.3596


174.8850, 0.3369,  
0.3488

 32.5044, 0.3551,  
0.3633


215.1755, 0.3353,  
0.3475

 21.7471, 0.3612,  
0.3680

261.2226, 0.3338,  
0.3463

 13.6712, 0.3692,  
0.3742

313.4107, 0.3326,  
0.3453

 7.8923, 0.3804,  
0.3827

372.1242, 0.3315,

 4.0261, 0.3969,

0.3444

0.3949

437.7475, 0.3305,  
0.3436

■ 1.6882, 0.4273,  
0.4172

■ 0.4160, 0.5327,  
0.4673

■ 84.7091, 0.3435,  
0.3541

■ 84.7091, 0.3435,  
0.3541

■ 77.1362, 0.3637,  
0.3688

■ 92.9243, 0.3256,  
0.3399

■ 70.1806, 0.3860,  
0.3835

100.0000, 0.3127,  
0.3290

■ 63.8258, 0.4103,  
0.3975

■ 58.0516, 0.4359,  
0.4098

■ 52.8363, 0.4619,  
0.4191

■ 48.1560, 0.4867,  
0.4241

■ 43.9842, 0.5089,  
0.4240

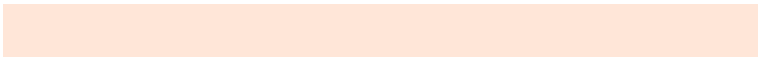
■ 40.2874, 0.5272,  
0.4183

■ 39.6107, 0.5306,  
0.4169

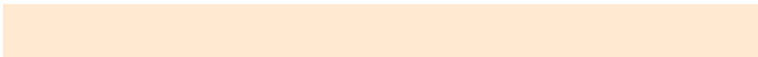
# Harmonies

## Analogous

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



84.7091, 0.3468, 0.3424



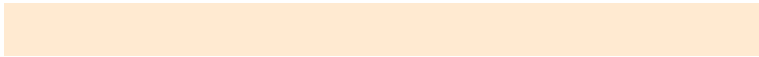
84.7091, 0.3435, 0.3541



84.7091, 0.3318, 0.3594

# Triad

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



84.7091, 0.3435, 0.3541



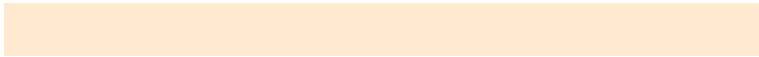
84.7091, 0.2854, 0.3294



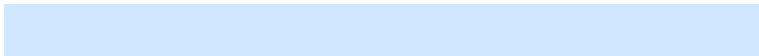
84.7091, 0.3095, 0.3037

# Complementary

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



84.7091, 0.3435, 0.3541



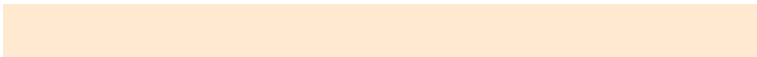
77.3681, 0.2841, 0.3025

# Split Complementary

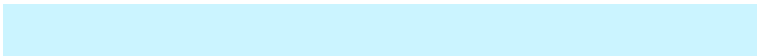
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.7091, 0.2934, 0.2999



84.7091, 0.3435, 0.3541



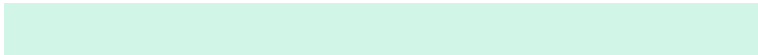
84.7091, 0.2798, 0.3142

# Square

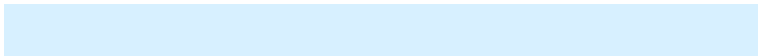
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.7091, 0.3435, 0.3541



84.7091, 0.2982, 0.3450



84.7091, 0.2826, 0.3036

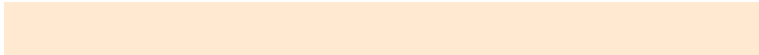


84.7091, 0.3269, 0.3137



# Rectangle

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



84.7091, 0.3435, 0.3541



84.7091, 0.3210, 0.3582



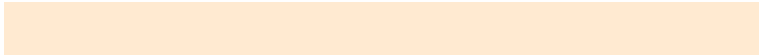
84.7091, 0.2826, 0.3036



84.7091, 0.3038, 0.3016

# Sweetspot

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



84.7115, 0.3435, 0.3541



95.5487, 0.3206, 0.3357



72.6014, 0.3320, 0.3075



20.3203, 0.3217, 0.3367



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.



84.7115, 0.3435, 0.3541



81.6352, 0.3512, 0.3599



97.0939, 0.3389, 0.3742



19.6232, 0.3281, 0.3419



21.0000, 0.5283, 0.4187

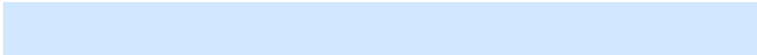


2.2633, 0.5124, 0.4313



# Inverse Universe

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



77.3681, 0.2841, 0.3025



72.9328, 0.2775, 0.2960



66.6023, 0.2839, 0.2797



18.7437, 0.2979, 0.3157



10.6372, 0.1731, 0.1431

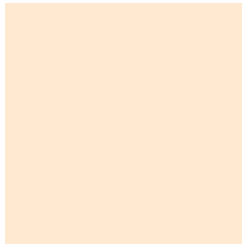


1.2509, 0.1791, 0.1647



# Previews

## White Background



This preview shows how the Yxy color 84.7091, 0.3435, 0.3541 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

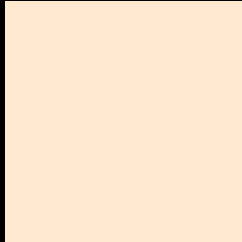
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.7091, 0.3435, 0.3541 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

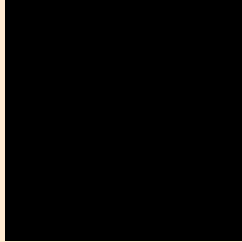
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.7091, 0.3435, 0.3541**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.7091, 0.3435, 0.3541.

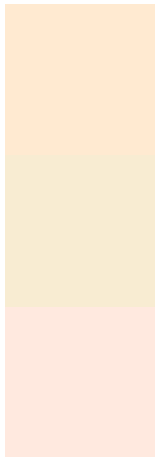


This preview shows how white text looks on a background with the Yxy color 84.7091, 0.3435, 0.3541.

# 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

84.7091, 0.3435, 0.3541

### Protanopia

84.6005, 0.3376, 0.3555

### Deuteranopia

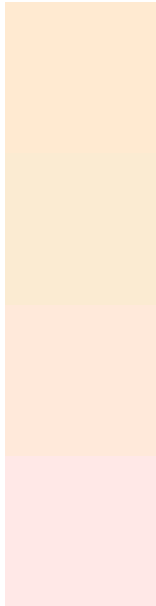
84.8655, 0.3343, 0.3390



## Tritanopia

84.9435, 0.3208, 0.3163

# Trichromacy



## Original Color

84.7091, 0.3435, 0.3541

## Protanomaly

84.5790, 0.3398, 0.3543

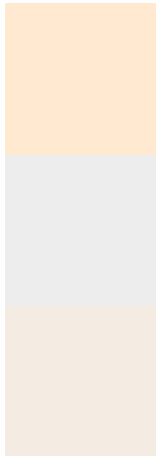
## Deuteranomaly

84.5998, 0.3377, 0.3440

## Tritanomaly

84.7427, 0.3292, 0.3300

# Monochromacy



## Original Color

84.7091, 0.3435, 0.3541

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

84.7701, 0.3238, 0.3381

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.7091, 0.3435, 0.3541 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 209)  
}
```

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, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 84.7091, 0.3435, 0.3541 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, 209) }
```

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

```
.border{ border-color:rgb(255, 234, 209) }
```

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, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.7091, 0.3435, 0.3541 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, 209) }
```

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

```
.background{ background-color: rgb(255,  
234, 209) }
```

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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