

# Converting Colors

$Yxy(84.6803, 0.3418, 0.3511)$

Have a look what the booklet for  
Yxy(84.6803, 0.3418, 0.3511)  
contains.

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# Color

**Yxy(84.8591, 0.3415, 0.3511)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFEAD4
RGB	255, 234, 212
RGB Percent	100%, 92%, 83%
CMY	0.0001, 0.0823, 0.1687
CMYK	0.00, 0.08, 0.17, 0.00
HSL	31°, 100%, 92%
HSV	31°, 17%, 100%
XYZ	82.5388, 84.8591, 74.2970
YIQ	237.7710, 19.5780, -2.3900

# Conversions

## Conversions Part 2

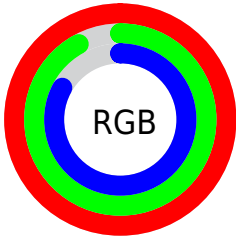
Format	Color
<a href="#">RYB</a>	<a href="#">253, 255, 212</a>
Decimal	<a href="#">16771796</a>
CIELab	<a href="#">93.82, 3.66, 13.27</a>
CIELCh	<a href="#">94, 13.767, 74.603</a>
Yxy	<a href="#">84.8591, 0.3415, 0.3511</a>
Android (android.graphics.Color)	<a href="#">4294961876</a> (0xFFFFEAD4)
YUV	<a href="#">237.7710, -12.7051, 15.1098</a>
Hunter-Lab	<a href="#">92.1190, -1.2719, 16.6639</a>

# Details

The Yxy color **84.8591, 0.3415, 0.3511** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.4565, 0.2861, 0.3059**, and the grayscale version is **85.4021, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.2809, 0.3484, 0.3560** is the 20% darker color. If you saturate the color by 10%, you get **76.8438, 0.3617, 0.3650**, and if you desaturate by 10%, it is **93.5818, 0.3237, 0.3377**.

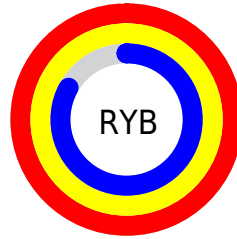
# Distribution



Red (100%)

Green (92%)

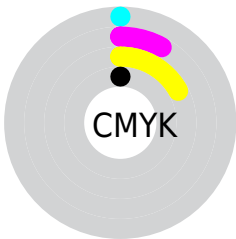
Blue (83%)



Red (99%)

Yellow (100%)

Blue (83%)

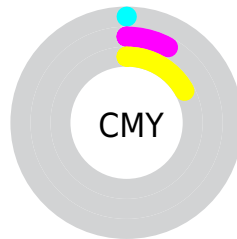


Cyan (0%)

Magenta (8%)

Yellow (17%)

Black (0%)



Cyan (0%)

Magenta (8%)


Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.8591, 0.3415, 0.3511 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 84.8591, 0.3415, 0.3511 by changing the saturation by 10% instead.



 84.8591, 0.3415,  
0.3511

 84.8591, 0.3415,  
0.3511


511.1617, 0.3285,  
0.3413

 63.7250, 0.3444,  
0.3533

140.1763, 0.3370,  
0.3478

 46.4279, 0.3479,  
0.3559


175.1282, 0.3353,  
0.3464

 32.5837, 0.3524,  
0.3592


215.4547, 0.3338,  
0.3453

 21.8077, 0.3581,  
0.3633

261.5403, 0.3325,  
0.3443

 13.7157, 0.3656,  
0.3688

313.7695, 0.3313,  
0.3434

 7.9232, 0.3762,  
0.3762

372.5265, 0.3303,

 4.0458, 0.3918,

0.3426

0.3870

438.1958, 0.3293,  
0.3419

■ 1.6992, 0.4189,  
0.4051

■ 0.4232, 0.5373,  
0.4627

■ 84.8591, 0.3415,  
0.3511

■ 84.8591, 0.3415,  
0.3511

■ 76.8438, 0.3617,  
0.3650

■ 93.5818, 0.3237,  
0.3377

■ 69.5050, 0.3844,  
0.3790

99.9969, 0.3127,  
0.3290

■ 62.8257, 0.4093,  
0.3923

■ 56.7839, 0.4359,  
0.4041

■ 51.3560, 0.4632,  
0.4132

■ 46.5162, 0.4898,  
0.4181

■ 42.2359, 0.5140,  
0.4179

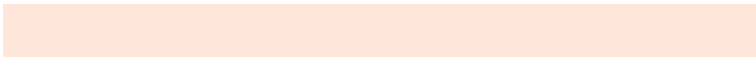
■ 38.4814, 0.5341,  
0.4120

■ 37.4017, 0.5399,  
0.4095

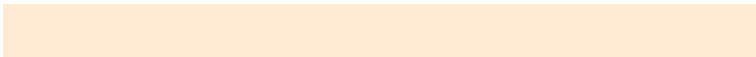
# Harmonies

## Analogous

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



84.8591, 0.3437, 0.3400



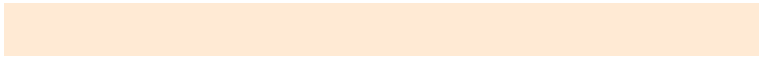
84.8591, 0.3415, 0.3511



84.8591, 0.3315, 0.3566

# Triad

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



84.8591, 0.3415, 0.3511



84.8591, 0.2887, 0.3309



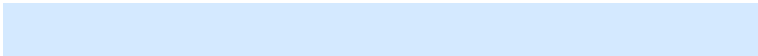
84.8591, 0.3082, 0.3052

# Complementary

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



84.8591, 0.3415, 0.3511



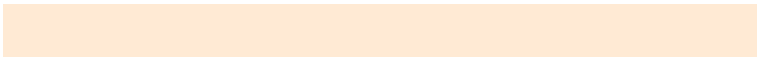
79.4565, 0.2861, 0.3059

# Split Complementary

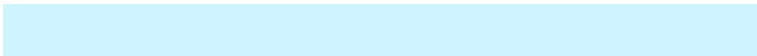
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.8591, 0.2938, 0.3024



84.8591, 0.3415, 0.3511



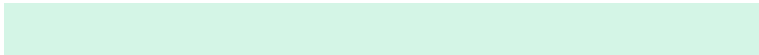
84.8591, 0.2828, 0.3168

# Square

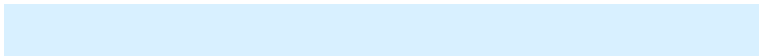
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.8591, 0.3415, 0.3511



84.8591, 0.3010, 0.3449



84.8591, 0.2846, 0.3065

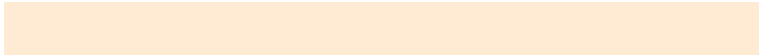


84.8591, 0.3242, 0.3139



# Rectangle

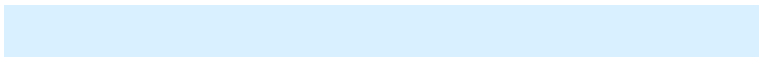
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.8591, 0.3415, 0.3511



84.8591, 0.3219, 0.3560



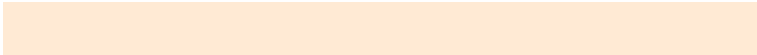
84.8591, 0.2846, 0.3065



84.8591, 0.3030, 0.3035

# Sweetspot

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



84.8629, 0.3415, 0.3511



95.3038, 0.3206, 0.3353



74.2406, 0.3296, 0.3076



20.2608, 0.3217, 0.3362



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

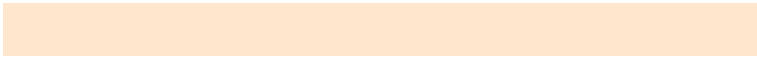


# Same Dimension

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



84.8629, 0.3415, 0.3511



82.2891, 0.3476, 0.3554



97.5185, 0.3382, 0.3711



19.5265, 0.3281, 0.3412



19.8462, 0.5374, 0.4115

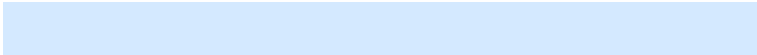


2.1511, 0.5203, 0.4251

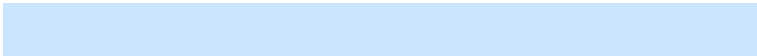


# Inverse Universe

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



79.4565, 0.2861, 0.3059



76.0206, 0.2809, 0.3011



68.2850, 0.2850, 0.2831



18.8398, 0.2979, 0.3165



11.6434, 0.1759, 0.1532

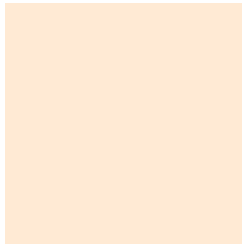


1.3515, 0.1817, 0.1741



# Previews

## White Background



This preview shows how the Yxy color 84.8591, 0.3415, 0.3511 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

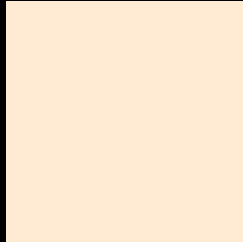
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.8591, 0.3415, 0.3511 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

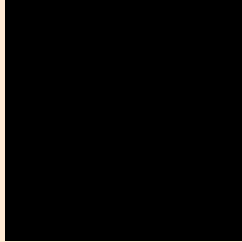
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.8591, 0.3415, 0.3511**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.8591, 0.3415, 0.3511.

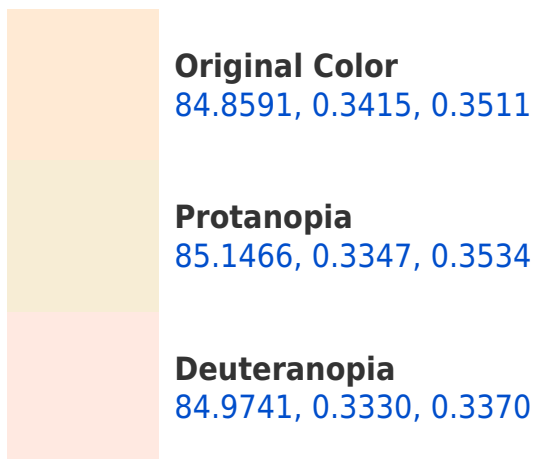


This preview shows how white text looks on a background with the Yxy color 84.8591, 0.3415, 0.3511.

# 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

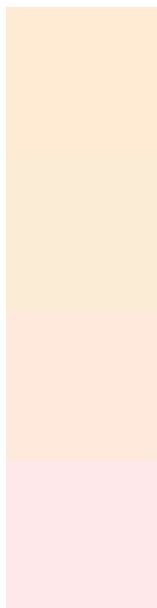




## Tritanopia

85.0044, 0.3202, 0.3154

# Trichromacy



## Original Color

84.8591, 0.3415, 0.3511

## Protanomaly

85.1190, 0.3370, 0.3523

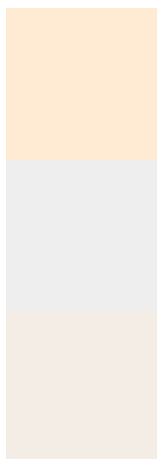
## Deuteranomaly

84.7051, 0.3363, 0.3420

## Tritanomaly

84.8564, 0.3279, 0.3281

# Monochromacy



## Original Color

84.8591, 0.3415, 0.3511

## 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 84.8591, 0.3415, 0.3511 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, 212)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 212)  
}
```

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, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 84.8591, 0.3415, 0.3511 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, 212) }
```

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

```
.border{ border-color:rgb(255, 234, 212) }
```

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, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 212);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
212) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.8591, 0.3415, 0.3511 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, 212) }
```

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

```
.background{ background-color: rgb(255,  
234, 212) }
```

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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