

# Converting Colors

$Yxy(83.8155, 0.3471, 0.3581)$

Have a look what the booklet for  
Yxy(83.8155, 0.3471, 0.3581)  
contains.

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# Color

**Yxy(83.8975, 0.3470, 0.3582)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFE9CC
RGB	255, 233, 204
RGB Percent	100%, 91%, 80%
CMY	0.0001, 0.0862, 0.1999
CMYK	0.00, 0.09, 0.20, 0.00
HSL	34°, 100%, 90%
HSV	34°, 20%, 100%
XYZ	81.2742, 83.8975, 69.0480
YIQ	236.2720, 22.4210, -4.3550

# Conversions

## Conversions Part 2

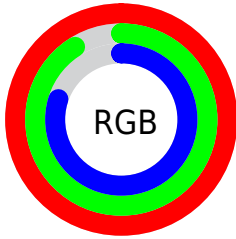
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	243, 255, 204
Decimal	16771532
CIE Lab	93.41, 3.00, 16.80
CIE LCh	93, 17.069, 79.873
Yxy	83.8975, 0.3470, 0.3582
Android (android.graphics.Color)	4294961612 (0xFFFFE9CC)
YUV	236.2720, -15.9101, 16.4245
Hunter-Lab	91.5956, -1.9063, 19.4220

# Details

The Yxy color  $83.8975, 0.3470, 0.3582$  is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be  $74.4453, 0.2808, 0.2980$ , and the grayscale version is  $84.2129, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $45.6521, 0.3547, 0.3638$  is the 20% darker color. If you saturate the color by 10%, you get  $76.7446, 0.3673, 0.3736$ , and if you desaturate by 10%, it is  $91.6460, 0.3288, 0.3432$ .

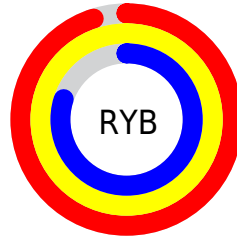
# Distribution



Red (100%)

Green (91%)

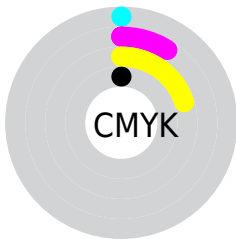
Blue (80%)



Red (95%)

Yellow (100%)

Blue (80%)

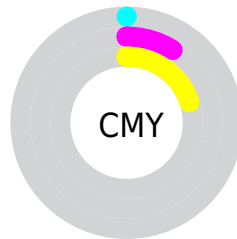


Cyan (0%)

Magenta (9%)

Yellow (20%)

Black (0%)



Cyan (0%)

Magenta (9%)


Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.8975, 0.3470, 0.3582 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 83.8975, 0.3470, 0.3582 by changing the saturation by 10% instead.




 83.8975, 0.3470,  
0.3582

 83.8975, 0.3470,  
0.3582


507.9728, 0.3315,  
0.3451

 62.9308, 0.3504,  
0.3611

138.8318, 0.3417,  
0.3538

 45.7852, 0.3547,  
0.3646

173.5682, 0.3396,  
0.3520

 32.0764, 0.3599,  
0.3689


213.6633, 0.3378,  
0.3505

 21.4198, 0.3667,  
0.3744

259.5014, 0.3362,  
0.3492

 13.4312, 0.3756,  
0.3816

311.4671, 0.3348,  
0.3480

 7.7262, 0.3880,  
0.3915

369.9446, 0.3336,

 3.9202, 0.4062,

0.3469

0.4055

435.3184, 0.3325,  
0.3460

■ 1.6290, 0.4452,  
0.4366

■ 0.3771, 0.5338,  
0.4662

■ 83.8975, 0.3470,  
0.3582

■ 83.8975, 0.3470,  
0.3582

■ 76.7446, 0.3673,  
0.3736

■ 91.6460, 0.3288,  
0.3432

■ 70.1592, 0.3895,  
0.3888

99.9936, 0.3127,  
0.3290

■ 64.1273, 0.4134,  
0.4032

99.9963, 0.3127,  
0.3290

■ 58.6300, 0.4383,  
0.4155

■ 53.6467, 0.4629,  
0.4246

■ 49.1548, 0.4861,  
0.4293

■ 45.1283, 0.5063,  
0.4286

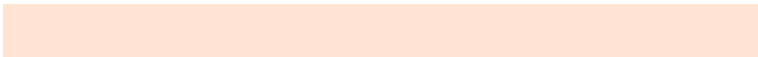
■ 41.5302, 0.5231,  
0.4229

■ 41.5255, 0.5231,  
0.4229

# Harmonies

## Analogous

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



83.8975, 0.3516, 0.3452



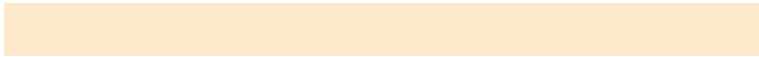
83.8975, 0.3470, 0.3582



83.8975, 0.3331, 0.3637

# Triad

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



83.8975, 0.3470, 0.3582



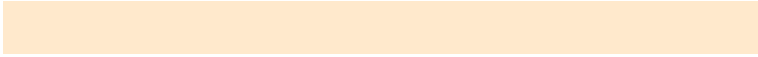
83.8975, 0.2810, 0.3280



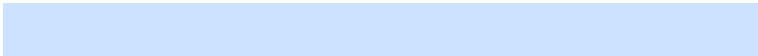
83.8975, 0.3105, 0.3010

# Complementary

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



83.8975, 0.3470, 0.3582



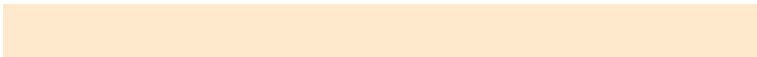
74.4453, 0.2808, 0.2980

# Split Complementary

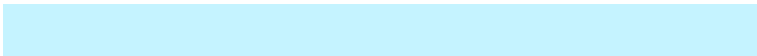
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.8975, 0.2920, 0.2961



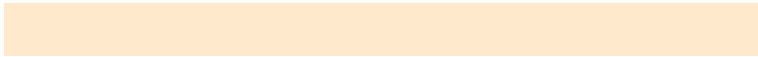
83.8975, 0.3470, 0.3582



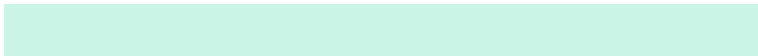
83.8975, 0.2753, 0.3109

# Square

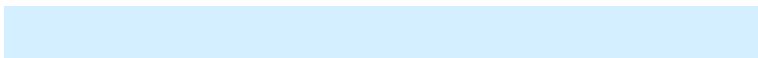
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.8975, 0.3470, 0.3582



83.8975, 0.2950, 0.3460



83.8975, 0.2793, 0.2995



83.8975, 0.3302, 0.3128

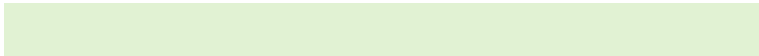


# Rectangle

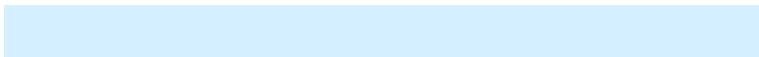
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.8975, 0.3470, 0.3582



83.8975, 0.3206, 0.3619



83.8975, 0.2793, 0.2995



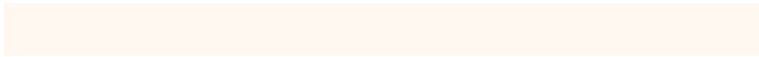
83.8975, 0.3039, 0.2985

# Sweetspot

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



83.9013, 0.3470, 0.3582



94.9171, 0.3222, 0.3374



69.9479, 0.3358, 0.3068



20.2006, 0.3232, 0.3384



0.0000, 0.0000, 0.0000

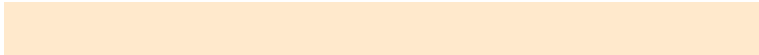


21.4041, 0.3127, 0.3290



# Same Dimension

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



83.9013, 0.3470, 0.3582



80.9730, 0.3549, 0.3644



96.4859, 0.3407, 0.3794



19.7025, 0.3280, 0.3425



22.0042, 0.5209, 0.4246

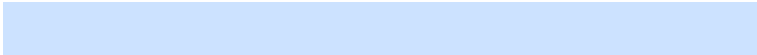


2.3596, 0.5061, 0.4363



# Inverse Universe

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



74.4453, 0.2808, 0.2980



69.9454, 0.2740, 0.2909



63.7392, 0.2815, 0.2739



18.6656, 0.2979, 0.3151



9.8748, 0.1709, 0.1352

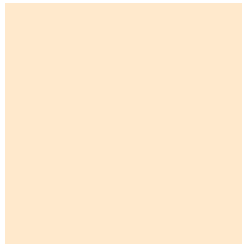


1.1735, 0.1770, 0.1572



# Previews

## White Background



This preview shows how the Yxy color 83.8975, 0.3470, 0.3582 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

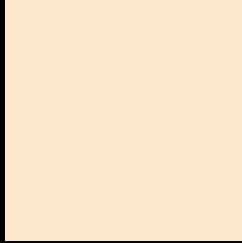
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.8975, 0.3470, 0.3582 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

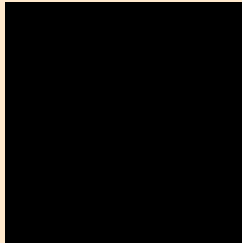
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 83.8975, 0.3470, 0.3582**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.8975, 0.3470, 0.3582.

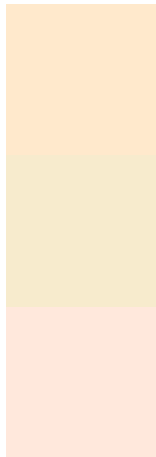


This preview shows how white text looks on a background with the Yxy color 83.8975, 0.3470, 0.3582.

# 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

83.8975, 0.3470, 0.3582

### Protanopia

83.5986, 0.3403, 0.3597

### Deuteranopia

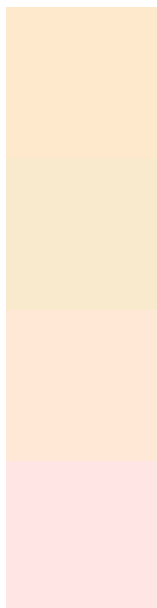
84.1405, 0.3365, 0.3410



## Tritanopia

83.7697, 0.3216, 0.3153

# Trichromacy



## Original Color

83.8975, 0.3470, 0.3582

## Protanomaly

83.5774, 0.3426, 0.3585

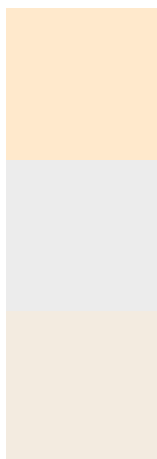
## Deuteranomaly

83.8283, 0.3405, 0.3471

## Tritanomaly

83.5108, 0.3307, 0.3300

# Monochromacy



## Original Color

83.8975, 0.3470, 0.3582

## Achromatopsia

83.8799, 0.3127, 0.3290

## Achromatomaly

83.8532, 0.3251, 0.3402

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.8975, 0.3470, 0.3582 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, 233, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 204)  
}
```

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, 233, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 83.8975, 0.3470, 0.3582 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, 233, 204) }
```

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

```
.border{ border-color:rgb(255, 233, 204) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(255, 233, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.8975, 0.3470, 0.3582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 204) }
```

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

```
.background{ background-color: rgb(255,  
233, 204) }
```

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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