

# Converting Colors

Yxy(84.3683, 0.3404, 0.3557)

Have a look what the booklet for  
Yxy(84.3683, 0.3404, 0.3557)  
contains.

<b>Yxy(84.3441, 0.3398, 0.3554)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(84.3441, 0.3398, 0.3554)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAEBD1
RGB	250, 235, 209
RGB Percent	98%, 92%, 82%
CMY	0.0196, 0.0784, 0.1805
CMYK	0.00, 0.06, 0.16, 0.02
HSL	38°, 80%, 90%
HSV	38°, 16%, 98%
XYZ	80.6419, 84.3441, 72.3356
YIQ	236.5210, 17.2860, -4.9060

# Conversions

## Conversions Part 2

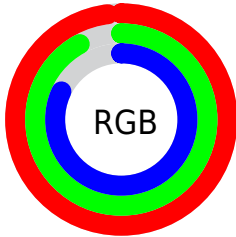
Format	Color
R <sub>Y</sub> B	233, 250, 209
Decimal	16444369
CIE Lab	93.60, 0.93, 14.45
CIE LCh	94, 14.482, 86.311
Yxy	84.3441, 0.3398, 0.3554
Android (android.graphics.Color)	4294634449 (0xFFFAEBD1)
YUV	236.5210, -13.5679, 11.8211
Hunter-Lab	91.8390, -3.9813, 17.5885

# Details

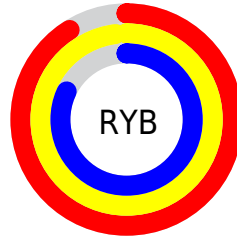
The Yxy color **84.3441, 0.3398, 0.3554** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **73.7582, 0.2866, 0.3011**, and the grayscale version is **84.3992, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.9442, 0.3452, 0.3603** is the 20% darker color. If you saturate the color by 10%, you get **78.1030, 0.3586, 0.3723**, and if you desaturate by 10%, it is **91.0561, 0.3227, 0.3391**.

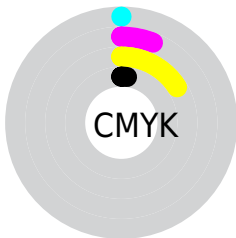
# Distribution



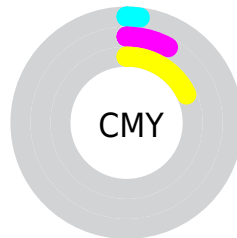
- Red (98%)
- Green (92%)
- Blue (82%)



- Red (91%)
- Yellow (98%)
- Blue (82%)



- Cyan (0%)
- Magenta (6%)
- Yellow (16%)
- Black (2%)



- Cyan (2%)
- Magenta (8%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.3441, 0.3398, 0.3554 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 84.3441, 0.3398, 0.3554 by changing the saturation by 10% instead.




 84.3441, 0.3398,  
0.3554

 84.3441, 0.3398,  
0.3554


509.4552, 0.3276,  
0.3435

 63.2996, 0.3425,  
0.3580


139.4564, 0.3356,  
0.3514

 46.0836, 0.3458,  
0.3612


174.2930, 0.3340,  
0.3498

 32.3118, 0.3500,  
0.3652


214.4957, 0.3326,  
0.3484

 21.5998, 0.3553,  
0.3703

260.4490, 0.3313,  
0.3472

 13.5631, 0.3623,  
0.3771

312.5371, 0.3302,  
0.3461

 7.8174, 0.3721,  
0.3864

371.1447, 0.3292,

 3.9784, 0.3865,

0.3452

0.4001

436.6559, 0.3284,  
0.3443

■ 1.6615, 0.4134,  
0.4255

■ 0.3985, 0.5019,  
0.4981

■ 84.3441, 0.3398,  
0.3554

■ 84.3441, 0.3398,  
0.3554

■ 78.1030, 0.3586,  
0.3723

■ 91.0561, 0.3227,  
0.3391

■ 72.3087, 0.3791,  
0.3892

■ 97.9812, 0.3097,  
0.3274

■ 66.9509, 0.4008,  
0.4055

■ 99.0662, 0.3096,  
0.3290

■ 62.0148, 0.4232,  
0.4201

■ 57.4844, 0.4454,  
0.4318

■ 53.3419, 0.4661,  
0.4395

■ 49.5670, 0.4844,  
0.4423

■ 46.1357, 0.4992,  
0.4398

■ 44.9768, 0.5040,  
0.4380

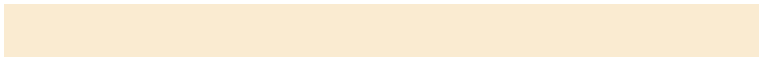
# Harmonies

## Analogous

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



84.3441, 0.3456, 0.3456



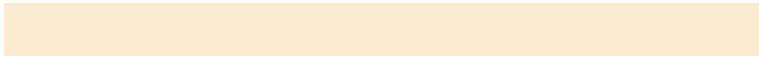
84.3441, 0.3398, 0.3554



84.3441, 0.3268, 0.3582

# Triad

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



84.3441, 0.3398, 0.3554



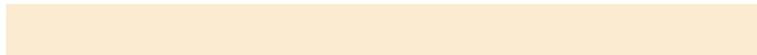
84.3441, 0.2840, 0.3249



84.3441, 0.3146, 0.3069

# Complementary

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



84.3441, 0.3398, 0.3554



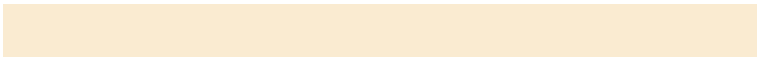
73.7582, 0.2866, 0.3011

# Split Complementary

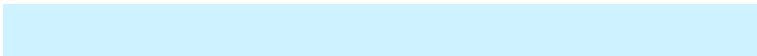
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.3441, 0.2982, 0.3013



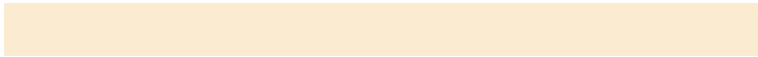
84.3441, 0.3398, 0.3554



84.3441, 0.2809, 0.3112

# Square

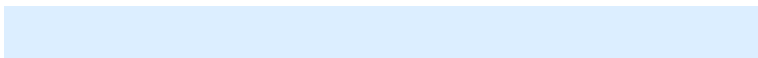
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.3441, 0.3398, 0.3554



84.3441, 0.2946, 0.3403



84.3441, 0.2861, 0.3027

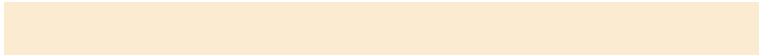


84.3441, 0.3308, 0.3179

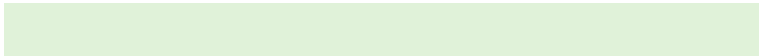


# Rectangle

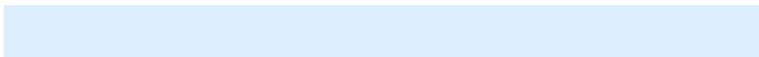
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.3441, 0.3398, 0.3554



84.3441, 0.3158, 0.3554



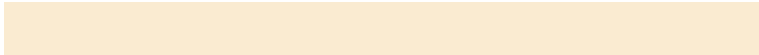
84.3441, 0.2861, 0.3027



84.3441, 0.3089, 0.3043

# Sweetspot

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



84.3479, 0.3398, 0.3554



96.2667, 0.3205, 0.3368



71.2992, 0.3330, 0.3137



20.4949, 0.3216, 0.3379



0.0000, 0.0000, 0.0000

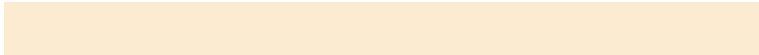


21.4041, 0.3127, 0.3290

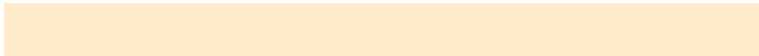


# Same Dimension

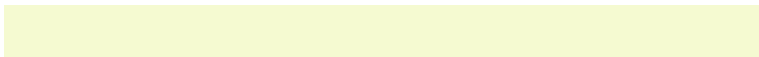
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.3479, 0.3398, 0.3554



85.8111, 0.3464, 0.3615



92.3110, 0.3338, 0.3704



19.0608, 0.3278, 0.3440



24.1383, 0.5023, 0.4394



2.4375, 0.4897, 0.4494



# Inverse Universe

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



73.7582, 0.2866, 0.3011



72.6470, 0.2805, 0.2943



66.8566, 0.2896, 0.2850



17.6824, 0.2979, 0.3135



7.9189, 0.1656, 0.1163

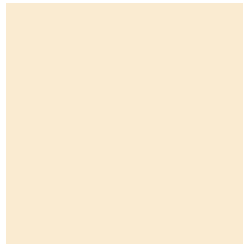


0.9276, 0.1722, 0.1399



# Previews

## White Background



This preview shows how the Yxy color 84.3441, 0.3398, 0.3554 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

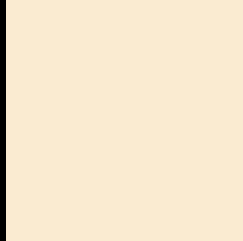
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.3441, 0.3398, 0.3554 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

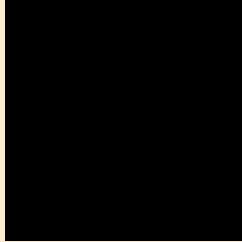
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

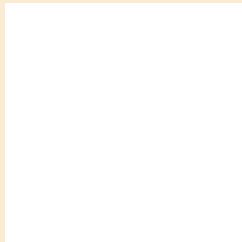
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.3441, 0.3398, 0.3554**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.3441, 0.3398, 0.3554.

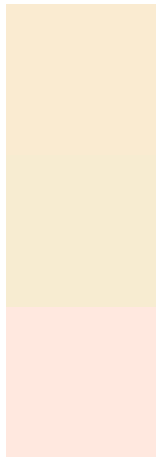


This preview shows how white text looks on a background with the Yxy color 84.3441, 0.3398, 0.3554.

# 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

84.3441, 0.3398, 0.3554

### Protanopia

84.3685, 0.3375, 0.3565

### Deuteranopia

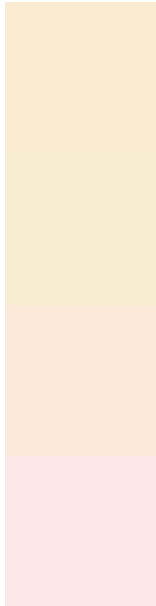
84.3009, 0.3345, 0.3380



## Tritanopia

84.0140, 0.3190, 0.3115

# Trichromacy



## Original Color

84.3441, 0.3398, 0.3554

## Protanomaly

84.5508, 0.3382, 0.3565

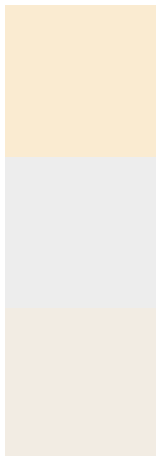
## Deuteranomaly

84.2224, 0.3362, 0.3441

## Tritanomaly

83.9177, 0.3266, 0.3271

# Monochromacy



## Original Color

84.3441, 0.3398, 0.3554

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

84.4142, 0.3224, 0.3382

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.3441, 0.3398, 0.3554 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(250, 235, 209)` looks like.

```
.text, #text, p{  
    color:rgb(250, 235, 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(250, 235, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 235, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 84.3441, 0.3398, 0.3554 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(250, 235, 209) }
```

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

```
.border{ border-color:rgb(250, 235, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 235, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 235, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 235, 209);  
box-shadow:4px 4px 4px 4px rgb(250, 235,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.3441, 0.3398, 0.3554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 235, 209) }
```

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

```
.background{ background-color: rgb(250,  
235, 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](#).

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