

# Converting Colors

$Yxy(83.2112, 0.3437, 0.3552)$

Have a look what the booklet for  
Yxy(83.2112, 0.3437, 0.3552)  
contains.

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# Color

**Yxy(83.1009, 0.3438, 0.3543)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDE8CF
RGB	253, 232, 207
RGB Percent	99%, 91%, 81%
CMY	0.0077, 0.0902, 0.1883
CMYK	0.00, 0.08, 0.18, 0.01
HSL	33°, 92%, 90%
HSV	33°, 18%, 99%
XYZ	80.6381, 83.1009, 70.8105
YIQ	235.4290, 20.5410, -3.3230

# Conversions

## Conversions Part 2

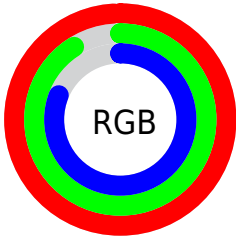
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	246, 253, 207
Decimal	16640207
CIE Lab	93.06, 3.26, 14.75
CIE LCh	93, 15.110, 77.551
Yxy	83.1009, 0.3438, 0.3543
Android (android.graphics.Color)	4294830287 (0xFFFDE8CF)
YUV	235.4290, -14.0155, 15.4098
Hunter-Lab	91.1597, -1.6318, 17.7568

# Details

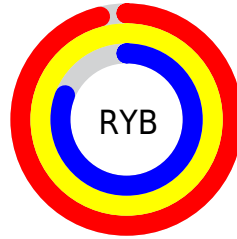
The Yxy color **83.1009, 0.3438, 0.3543** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **75.8670, 0.2838, 0.3023**, and the grayscale version is **83.5244, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.0863, 0.3505, 0.3588** is the 20% darker color. If you saturate the color by 10%, you get **75.6657, 0.3640, 0.3690**, and if you desaturate by 10%, it is **91.1705, 0.3258, 0.3401**.

# Distribution



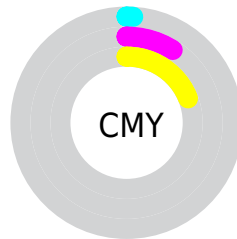
- Red (99%)
- Green (91%)
- Blue (81%)



- Red (96%)
- Yellow (99%)
- Blue (81%)



- Cyan (0%)
- Magenta (8%)
- Yellow (18%)
- Black (1%)



- Cyan (1%)
- Magenta (9%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.1009, 0.3438, 0.3543 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 83.1009, 0.3438, 0.3543 by changing the saturation by 10% instead.




 83.1009, 0.3438,  
0.3543

 83.1009, 0.3438,  
0.3543

505.3227, 0.3297,  
0.3430

 62.2734, 0.3469,  
0.3568


137.7168, 0.3390,  
0.3504

 45.2536, 0.3508,  
0.3598


172.2739, 0.3371,  
0.3489

 31.6573, 0.3556,  
0.3636


212.1764, 0.3354,  
0.3476

 21.0998, 0.3618,  
0.3684

257.8086, 0.3340,  
0.3464

 13.1970, 0.3701,  
0.3748

309.5550, 0.3327,  
0.3454

 7.5643, 0.3816,  
0.3835

367.7999, 0.3316,

 3.8175, 0.3987,

0.3445

0.3960

432.9276, 0.3306,  
0.3437

■ 1.5720, 0.4328,  
0.4216

■ 0.3386, 0.5424,  
0.4576

■ 83.1009, 0.3438,  
0.3543

■ 83.1009, 0.3438,  
0.3543

■ 75.6657, 0.3640,  
0.3690

■ 91.1705, 0.3258,  
0.3401

■ 68.8361, 0.3864,  
0.3837

99.6316, 0.3115,  
0.3290

■ 62.5972, 0.4107,  
0.3976

■ 56.9292, 0.4364,  
0.4098

■ 51.8107, 0.4623,  
0.4191

■ 47.2182, 0.4871,  
0.4240

■ 43.1255, 0.5093,  
0.4238

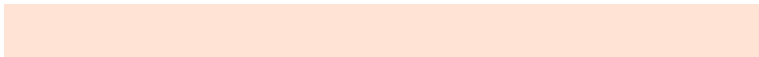
■ 39.4994, 0.5276,  
0.4181

■ 38.8908, 0.5307,  
0.4168

# Harmonies

## Analogous

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



83.1009, 0.3471, 0.3425



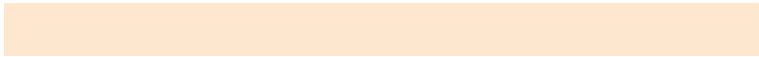
83.1009, 0.3438, 0.3543



83.1009, 0.3320, 0.3597

# Triad

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



83.1009, 0.3438, 0.3543



83.1009, 0.2852, 0.3294



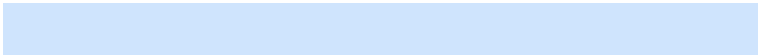
83.1009, 0.3094, 0.3034

# Complementary

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



83.1009, 0.3438, 0.3543



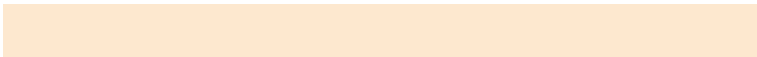
75.8670, 0.2838, 0.3023

# Split Complementary

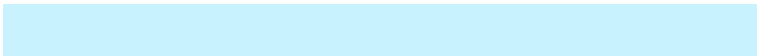
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.1009, 0.2932, 0.2997



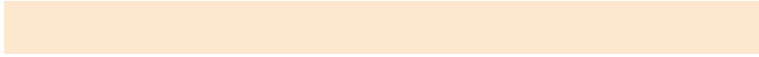
83.1009, 0.3438, 0.3543



83.1009, 0.2795, 0.3141

# Square

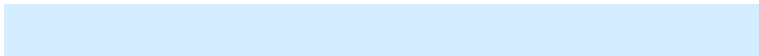
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.1009, 0.3438, 0.3543



83.1009, 0.2982, 0.3452



83.1009, 0.2824, 0.3033

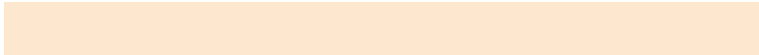


83.1009, 0.3270, 0.3136



# Rectangle

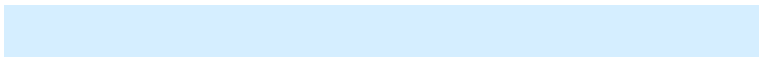
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.1009, 0.3438, 0.3543



83.1009, 0.3211, 0.3585



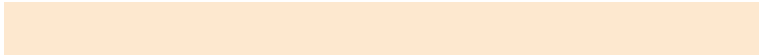
83.1009, 0.2824, 0.3033



83.1009, 0.3036, 0.3014

# Sweetspot

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



83.1046, 0.3438, 0.3543



95.5435, 0.3206, 0.3357



71.1380, 0.3322, 0.3073



20.3190, 0.3217, 0.3367



0.0000, 0.0000, 0.0000

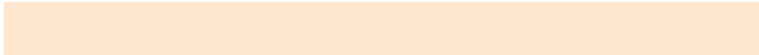


21.4041, 0.3127, 0.3290

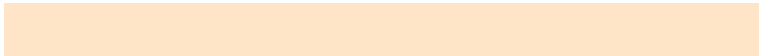


# Same Dimension

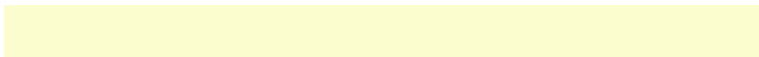
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1046, 0.3438, 0.3543



81.6150, 0.3512, 0.3599



95.3894, 0.3392, 0.3746



19.6212, 0.3281, 0.3419



20.9751, 0.5285, 0.4186

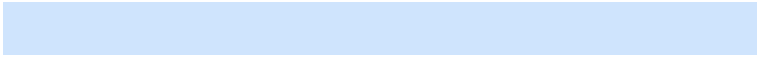


2.2608, 0.5126, 0.4312

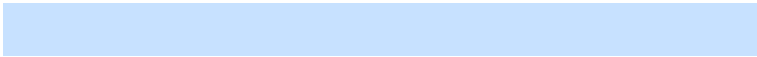


# Inverse Universe

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



75.8670, 0.2838, 0.3023



72.9524, 0.2775, 0.2961



65.1985, 0.2836, 0.2793



18.7457, 0.2979, 0.3158



10.6574, 0.1732, 0.1434

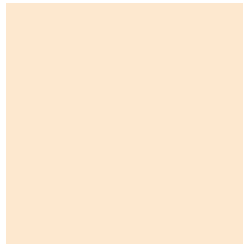


1.2529, 0.1792, 0.1649



# Previews

## White Background



This preview shows how the Yxy color 83.1009, 0.3438, 0.3543 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 83.1009, 0.3438, 0.3543 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

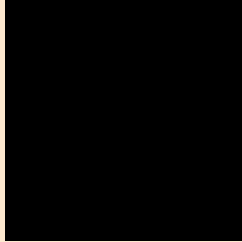
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 83.1009, 0.3438, 0.3543**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.1009, 0.3438, 0.3543.



This preview shows how white text looks on a background with the Yxy color 83.1009, 0.3438, 0.3543.

# 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

83.1009, 0.3438, 0.3543

### Protanopia

82.9925, 0.3378, 0.3557

### Deuteranopia

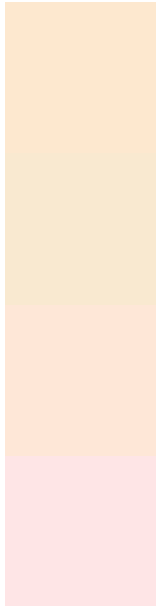
83.0209, 0.3367, 0.3390



## Tritanopia

83.2179, 0.3217, 0.3143

# Trichromacy



## Original Color

83.1009, 0.3438, 0.3543

## Protanomaly

82.9716, 0.3400, 0.3545

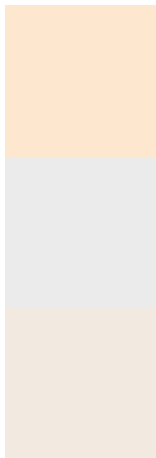
## Deuteranomaly

83.1290, 0.3392, 0.3451

## Tritanomaly

82.8226, 0.3295, 0.3281

# Monochromacy



## Original Color

83.1009, 0.3438, 0.3543

## Achromatopsia

83.0770, 0.3127, 0.3290

## Achromatomaly

83.1591, 0.3239, 0.3382

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.1009, 0.3438, 0.3543 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(253, 232, 207)` looks like.

```
.text, #text, p{  
    color:rgb(253, 232, 207)  
}
```

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(253, 232, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 232, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 83.1009, 0.3438, 0.3543 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(253, 232, 207) }
```

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

```
.border{ border-color:rgb(253, 232, 207) }
```

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

Here you see how a box with a 4 pixel rgb(253, 232, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 232, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 232, 207);  
box-shadow:4px 4px 4px 4px rgb(253, 232,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.1009, 0.3438, 0.3543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 232, 207) }
```

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

```
.background{ background-color: rgb(253,  
232, 207) }
```

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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