

# Converting Colors

$Y_{xy}(94.2910, 0.3535, 0.3446)$

Have a look what the booklet for  
Yxy(94.2910, 0.3535, 0.3446)  
contains.

<b>Yxy(88.3207, 0.3336, 0.3449)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(88.3207, 0.3336, 0.3449)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEFD5
RGB	255, 239, 223
RGB Percent	100%, 94%, 87%
CMY	0.0000, 0.0627, 0.1256
CMYK	0.00, 0.06, 0.13, 0.00
HSL	30°, 100%, 94%
HSV	30°, 13%, 100%
XYZ	85.4270, 88.3207, 82.3285
YIQ	241.9600, 14.6720, -1.5840

# Conversions

## Conversions Part 2

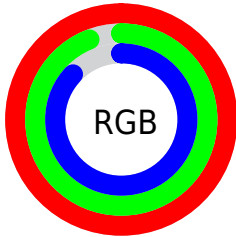
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 255, 223
Decimal	16773087
CIE Lab	95.30, 2.80, 9.68
CIE LCh	95, 10.082, 73.850
Yxy	88.3207, 0.3336, 0.3449
Android (android.graphics.Color)	4294963167 (0xFFFFEFDf)
YUV	241.9600, -9.3473, 11.4361
Hunter-Lab	93.9791, -2.2068, 13.8455

# Details

The Yxy color **88.3207, 0.3336, 0.3449** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.6103, 0.2930, 0.3126**, and the grayscale version is **88.8236, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.6999, 0.3379, 0.3480** is the 20% darker color. If you saturate the color by 10%, you get **79.8527, 0.3529, 0.3583**, and if you desaturate by 10%, it is **97.5206, 0.3167, 0.3321**.

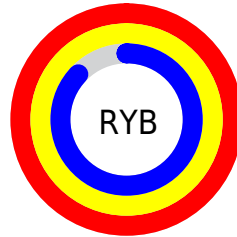
# Distribution



Red (100%)

Green (94%)

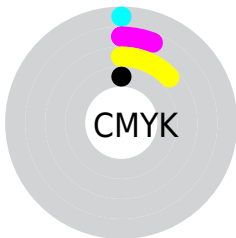
Blue (87%)



Red (100%)

Yellow (100%)

Blue (87%)

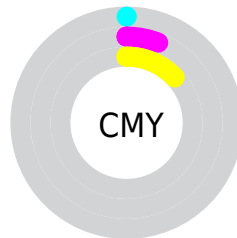


Cyan (0%)

Magenta (6%)

Yellow (13%)

Black (0%)



Cyan (0%)

Magenta (6%)


Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.3207, 0.3336, 0.3449 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 88.3207, 0.3336, 0.3449 by changing the saturation by 10% instead.




 88.3207, 0.3336,  
0.3449

 88.3207, 0.3336,  
0.3449


522.5529, 0.3242,  
0.3378

 66.5887, 0.3357,  
0.3464


145.0036, 0.3304,  
0.3425

 48.7504, 0.3382,  
0.3483


180.7232, 0.3291,  
0.3416

 34.4216, 0.3413,  
0.3506


221.8742, 0.3281,  
0.3407

 23.2176, 0.3454,  
0.3536

268.8409, 0.3271,  
0.3400

 14.7543, 0.3507,  
0.3575

322.0077, 0.3263,  
0.3394

 8.6471, 0.3582,  
0.3628

381.7591, 0.3255,

 4.5117, 0.3692,

0.3388

0.3706

448.4793, 0.3248,  
0.3383

■ 1.9637, 0.3870,  
0.3828

■ 0.5863, 0.5163,  
0.4837

■ 88.3207, 0.3336,  
0.3449

■ 88.3207, 0.3336,  
0.3449

■ 79.8527, 0.3529,  
0.3583

■ 97.5206, 0.3167,  
0.3321

■ 72.0972, 0.3747,  
0.3720

100.0000, 0.3127,  
0.3290

■ 65.0331, 0.3989,  
0.3854

■ 58.6380, 0.4252,  
0.3978

■ 52.8883, 0.4529,  
0.4079

■ 47.7582, 0.4806,  
0.4145

■ 43.2194, 0.5066,  
0.4163

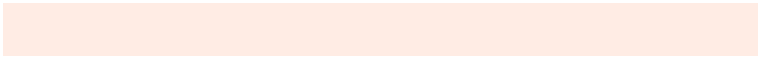
■ 39.2400, 0.5292,  
0.4126

■ 36.6149, 0.5434,  
0.4067

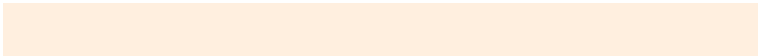
# Harmonies

## Analogous

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



88.3207, 0.3350, 0.3369



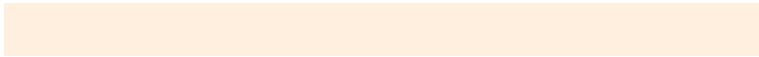
88.3207, 0.3336, 0.3449



88.3207, 0.3266, 0.3488

# Triad

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



88.3207, 0.3336, 0.3449



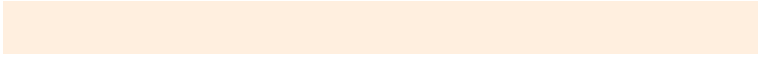
88.3207, 0.2955, 0.3307



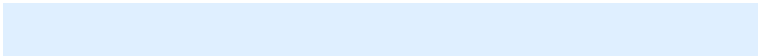
88.3207, 0.3092, 0.3115

# Complementary

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



88.3207, 0.3336, 0.3449



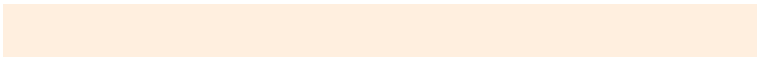
84.6103, 0.2930, 0.3126

# Split Complementary

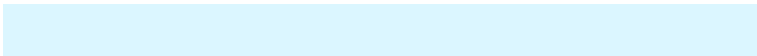
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.3207, 0.2988, 0.3097



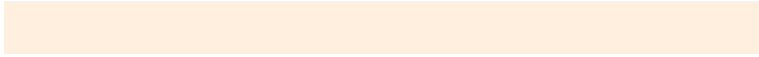
88.3207, 0.3336, 0.3449



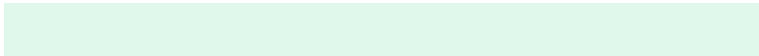
88.3207, 0.2910, 0.3205

# Square

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



88.3207, 0.3336, 0.3449



88.3207, 0.3045, 0.3406



88.3207, 0.2922, 0.3129

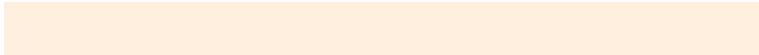


88.3207, 0.3207, 0.3178



# Rectangle

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



88.3207, 0.3336, 0.3449



88.3207, 0.3197, 0.3484



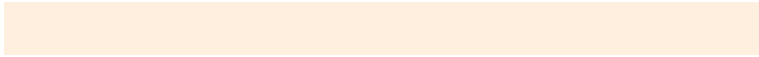
88.3207, 0.2922, 0.3129



88.3207, 0.3055, 0.3104

# Sweetspot

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



88.3205, 0.3336, 0.3449



96.1539, 0.3190, 0.3339



80.2455, 0.3247, 0.3132



20.4289, 0.3202, 0.3349



0.0000, 0.0000, 0.0000

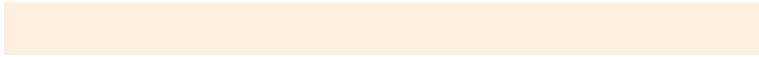


21.4041, 0.3127, 0.3290

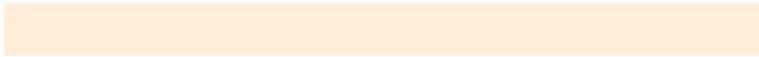


# Same Dimension

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



88.3205, 0.3336, 0.3449



86.1912, 0.3381, 0.3481



98.1056, 0.3316, 0.3602



19.4899, 0.3282, 0.3409



19.4308, 0.5408, 0.4088

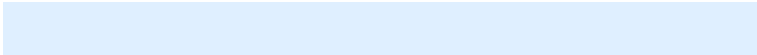


2.1103, 0.5233, 0.4227

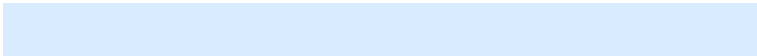


# Inverse Universe

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



84.6103, 0.2930, 0.3126



81.8369, 0.2891, 0.3091



75.6565, 0.2926, 0.2958



18.8762, 0.2979, 0.3168



12.0456, 0.1770, 0.1571

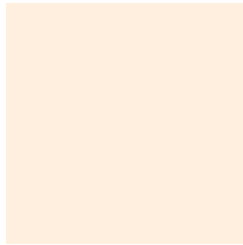


1.3912, 0.1827, 0.1777



# Previews

## White Background



This preview shows how the Yxy color 88.3207, 0.3336, 0.3449 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

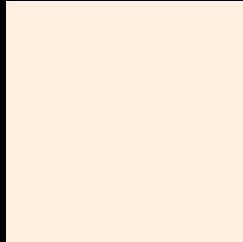
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.3207, 0.3336, 0.3449 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

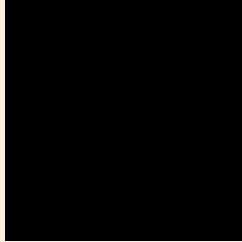
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

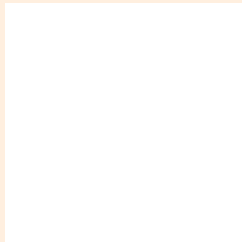
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.3207, 0.3336, 0.3449**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.3207, 0.3336, 0.3449.

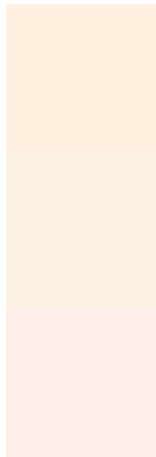


This preview shows how white text looks on a background with the Yxy color 88.3207, 0.3336, 0.3449.

# 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

88.3207, 0.3336, 0.3449

### Protanopia

88.6164, 0.3293, 0.3460

### Deuteranopia

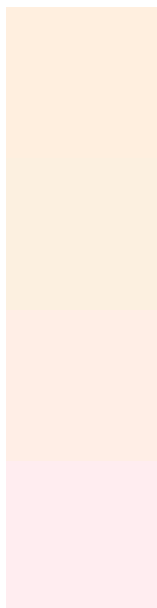
88.3496, 0.3266, 0.3330



## Tritanopia

88.1530, 0.3167, 0.3155

# Trichromacy



## Original Color

88.3207, 0.3336, 0.3449

## Protanomaly

88.3974, 0.3307, 0.3449

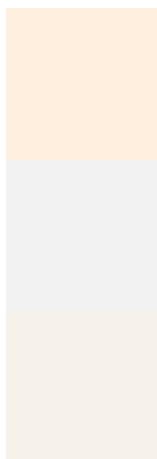
## Deuteranomaly

88.1222, 0.3292, 0.3369

## Tritanomaly

88.1196, 0.3229, 0.3261

# Monochromacy



## Original Color

88.3207, 0.3336, 0.3449

## Achromatopsia

88.7923, 0.3127, 0.3290

## Achromatomaly

88.6829, 0.3204, 0.3350

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.3207, 0.3336, 0.3449 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, 239, 223)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 223)  
}
```

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, 239, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 223) }
```

## Border

The CSS property to change the border of an element to Yxy 88.3207, 0.3336, 0.3449 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, 239, 223) }
```

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

```
.border{ border-color:rgb(255, 239, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 239, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 223);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
223) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.3207, 0.3336, 0.3449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 223) }
```

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

```
.background{ background-color: rgb(255,  
239, 223) }
```

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