

# Converting Colors

$Yxy(87.8518, 0.3343, 0.3452)$

Have a look what the booklet for  
Yxy(87.8518, 0.3343, 0.3452)  
contains.

<b>Yxy(87.6830, 0.3343, 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(87.6830, 0.3343, 0.3449)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEEDE
RGB	255, 238, 222
RGB Percent	100%, 93%, 87%
CMY	0.0002, 0.0666, 0.1294
CMYK	0.00, 0.07, 0.13, 0.00
HSL	29°, 100%, 94%
HSV	29°, 13%, 100%
XYZ	84.9882, 87.6830, 81.5561
YIQ	241.2590, 15.2680, -1.3720

# Conversions

## Conversions Part 2

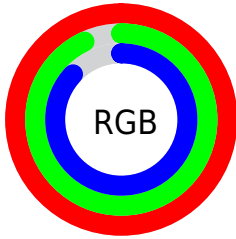
Format	Color
<b>R<sub>YB</sub></b>	255, 253, 222
Decimal	16772830
CIE Lab	95.03, 3.13, 9.79
CIE LCh	95, 10.282, 72.253
Yxy	87.6830, 0.3343, 0.3449
Android (android.graphics.Color)	4294962910 (0xFFFFEEDF)
YUV	241.2590, -9.4947, 12.0509
Hunter-Lab	93.6392, -1.8596, 13.9081

# Details

The Yxy color **87.6830, 0.3343, 0.3449** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.4490, 0.2925, 0.3126**, and the grayscale version is **88.2438, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.2517, 0.3389, 0.3480** is the 20% darker color. If you saturate the color by 10%, you get **79.0646, 0.3538, 0.3579**, and if you desaturate by 10%, it is **97.0715, 0.3173, 0.3325**.

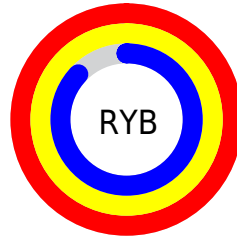
# Distribution



Red (100%)

Green (93%)

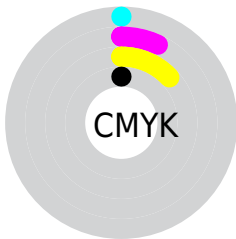
Blue (87%)



Red (100%)

Yellow (99%)

Blue (87%)

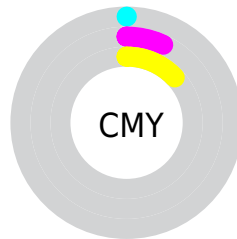


Cyan (0%)

Magenta (7%)

Yellow (13%)

Black (0%)



Cyan (0%)

Magenta (7%)


Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.6830, 0.3343, 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 87.6830, 0.3343, 0.3449 by changing the saturation by 10% instead.




 87.6830, 0.3343,  
0.3449

 87.6830, 0.3343,  
0.3449


520.4646, 0.3246,  
0.3378

 66.0606, 0.3364,  
0.3464


144.1157, 0.3310,  
0.3425

 48.3216, 0.3391,  
0.3483


179.6949, 0.3297,  
0.3416

 34.0816, 0.3423,  
0.3507


220.6950, 0.3286,  
0.3407

 22.9563, 0.3465,  
0.3536

267.5005, 0.3276,  
0.3400

 14.5612, 0.3521,  
0.3575

320.4958, 0.3267,  
0.3394

 8.5120, 0.3598,  
0.3629

380.0653, 0.3259,

 4.4243, 0.3713,

0.3388

0.3706

446.5935, 0.3252,  
0.3383

■ 1.9136, 0.3900,  
0.3828

■ 0.5566, 0.5211,  
0.4789

■ 87.6830, 0.3343,  
0.3449

■ 87.6830, 0.3343,  
0.3449

■ 79.0646, 0.3538,  
0.3579

■ 97.0715, 0.3173,  
0.3325

■ 71.1837, 0.3759,  
0.3713

99.9920, 0.3127,  
0.3290

■ 64.0221, 0.4006,  
0.3843

■ 57.5563, 0.4274,  
0.3962

■ 51.7614, 0.4557,  
0.4059

■ 46.6105, 0.4841,  
0.4120

■ 42.0738, 0.5108,  
0.4134

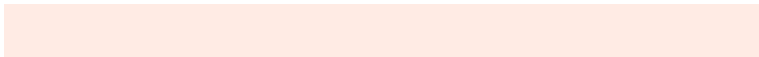
■ 38.1179, 0.5339,  
0.4091

■ 35.6417, 0.5478,  
0.4032

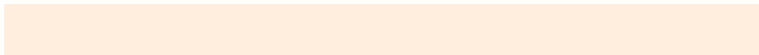
# Harmonies

## Analogous

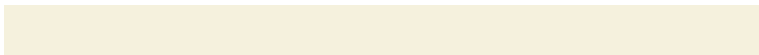
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.6830, 0.3354, 0.3365



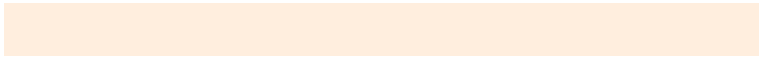
87.6830, 0.3343, 0.3449



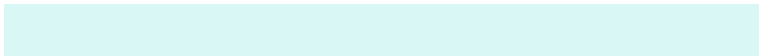
87.6830, 0.3274, 0.3492

# Triad

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



87.6830, 0.3343, 0.3449



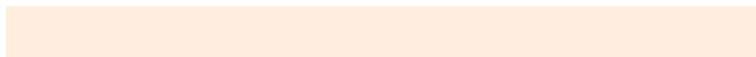
87.6830, 0.2955, 0.3313



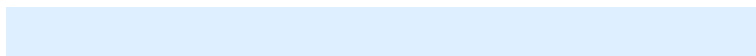
87.6830, 0.3085, 0.3109

# Complementary

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



87.6830, 0.3343, 0.3449



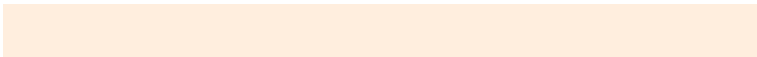
84.4490, 0.2925, 0.3126

# Split Complementary

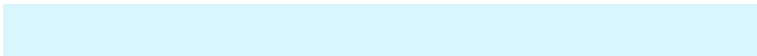
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.6830, 0.2980, 0.3093



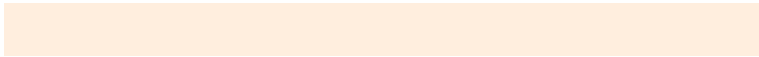
87.6830, 0.3343, 0.3449



87.6830, 0.2906, 0.3208

# Square

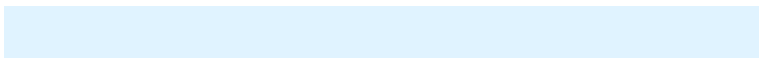
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.6830, 0.3343, 0.3449



87.6830, 0.3049, 0.3414



87.6830, 0.2915, 0.3128



87.6830, 0.3203, 0.3171



# Rectangle

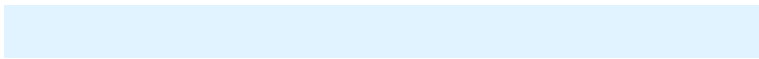
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.6830, 0.3343, 0.3449



87.6830, 0.3204, 0.3490



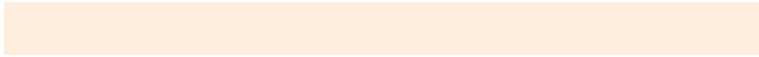
87.6830, 0.2915, 0.3128



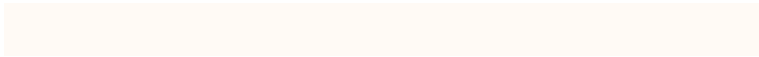
87.6830, 0.3047, 0.3098

# Sweetspot

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



87.6869, 0.3343, 0.3449



96.0605, 0.3190, 0.3338



79.7322, 0.3248, 0.3122



20.4053, 0.3202, 0.3347



0.0000, 0.0000, 0.0000

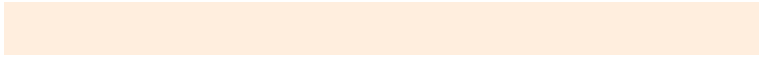


21.4041, 0.3127, 0.3290

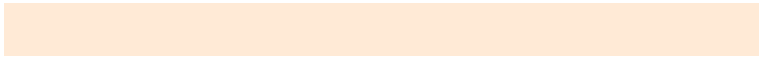


# Same Dimension

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



87.6869, 0.3343, 0.3449



84.9862, 0.3400, 0.3489



97.6697, 0.3322, 0.3606



19.4442, 0.3282, 0.3406



18.9267, 0.5452, 0.4053

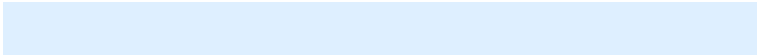


2.0605, 0.5271, 0.4197

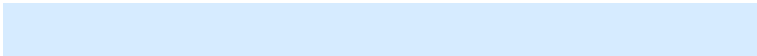


# Inverse Universe

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



84.4490, 0.2925, 0.3126



81.0621, 0.2875, 0.3083



75.2865, 0.2920, 0.2954



18.9221, 0.2979, 0.3172



12.5664, 0.1784, 0.1621

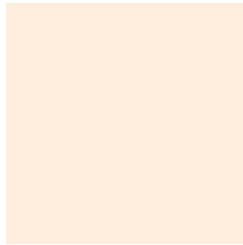


1.4423, 0.1840, 0.1823



# Previews

## White Background



This preview shows how the Yxy color 87.6830, 0.3343, 0.3449 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

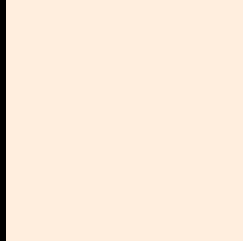
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.6830, 0.3343, 0.3449 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

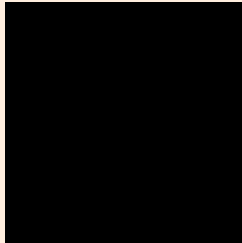
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 87.6830, 0.3343, 0.3449**

## Background



This preview shows how black text looks on a background with the Yxy color 87.6830, 0.3343, 0.3449.

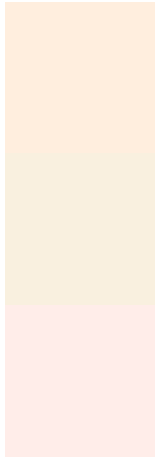


This preview shows how white text looks on a background with the Yxy color 87.6830, 0.3343, 0.3449.

# 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

87.6830, 0.3343, 0.3449

### Protanopia

87.7876, 0.3293, 0.3460

### Deuteranopia

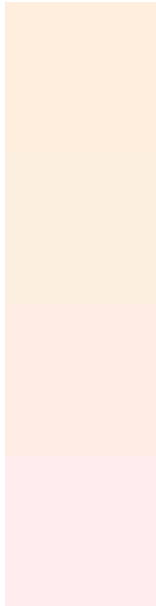
87.7116, 0.3274, 0.3330



## Tritanopia

87.5162, 0.3174, 0.3154

# Trichromacy



## Original Color

87.6830, 0.3343, 0.3449

## Protanomaly

87.5699, 0.3308, 0.3450

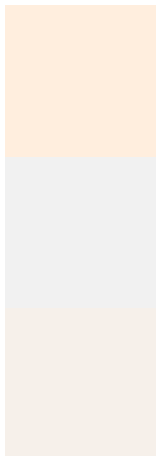
## Deuteranomaly

87.4855, 0.3299, 0.3369

## Tritanomaly

87.4829, 0.3236, 0.3261

# Monochromacy



## Original Color

87.6830, 0.3343, 0.3449

## Achromatopsia

87.9622, 0.3127, 0.3290

## Achromatomaly

87.8535, 0.3204, 0.3350

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.6830, 0.3343, 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, 238, 222)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 222)  
}
```

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, 238, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 87.6830, 0.3343, 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, 238, 222) }
```

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

```
.border{ border-color:rgb(255, 238, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 238, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
222) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.6830, 0.3343, 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, 238, 222) }
```

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

```
.background{ background-color: rgb(255,  
238, 222) }
```

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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