

# Converting Colors

$Yxy(87.2626, 0.3441, 0.3672)$

Have a look what the booklet for  
Yxy(87.2626, 0.3441, 0.3672)  
contains.

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# Color

**Yxy(87.0937, 0.3442, 0.3674)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBF0CA
RGB	251, 240, 202
RGB Percent	98%, 94%, 79%
CMY	0.0158, 0.0588, 0.2080
CMYK	0.00, 0.04, 0.20, 0.02
HSL	47°, 86%, 89%
HSV	47°, 20%, 98%
XYZ	81.5940, 87.0937, 68.3664
YIQ	238.9570, 18.7540, -9.4860

# Conversions

## Conversions Part 2

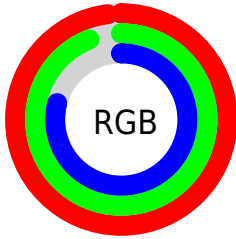
Format	Color
R <sub>Y</sub> B	216, 251, 202
Decimal	16511178
CIE Lab	94.78, -2.29, 19.74
CIE LCh	95, 19.868, 96.622
Yxy	87.0937, 0.3442, 0.3674
Android (android.graphics.Color)	4294701258 (0xFFFBF0CA)
YUV	238.9570, -18.2198, 10.5617
Hunter-Lab	93.3240, -7.2528, 21.8927

# Details

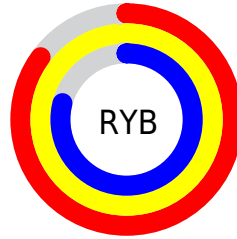
The Yxy color **87.0937, 0.3442, 0.3674** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **67.0660, 0.2809, 0.2874**, and the grayscale version is **86.4131, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.8884, 0.3508, 0.3755** is the 20% darker color. If you saturate the color by 10%, you get **82.7508, 0.3619, 0.3877**, and if you desaturate by 10%, it is **91.7398, 0.3275, 0.3474**.

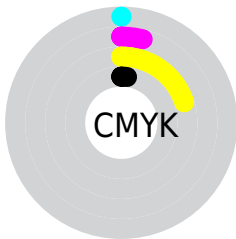
# Distribution



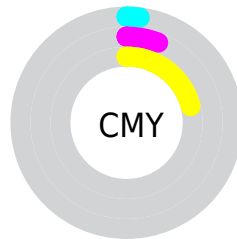
- Red (98%)
- Green (94%)
- Blue (79%)



- Red (85%)
- Yellow (98%)
- Blue (79%)



- Cyan (0%)
- Magenta (4%)
- Yellow (20%)
- Black (2%)



- Cyan (2%)
- Magenta (6%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.0937, 0.3442, 0.3674 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 87.0937, 0.3442, 0.3674 by changing the saturation by 10% instead.



87.0937, 0.3442,  
0.3674

87.0937, 0.3442,  
0.3674

518.5307, 0.3302,  
0.3501

65.5728, 0.3473,  
0.3712

143.2947, 0.3394,  
0.3615

47.9257, 0.3510,  
0.3759

178.7436, 0.3376,  
0.3592

33.7680, 0.3556,  
0.3816

219.6039, 0.3359,  
0.3572

22.7154, 0.3615,  
0.3890

266.2600, 0.3345,  
0.3554

14.3835, 0.3691,  
0.3987

319.0964, 0.3332,  
0.3539

8.3879, 0.3795,  
0.4120

378.4974, 0.3321,

4.3441, 0.3940,

0.3525

0.4312

444.8473, 0.3311,  
0.3513

■ 1.8679, 0.4261,  
0.4724

■ 0.5290, 0.4579,  
0.5421

■ 87.0937, 0.3442,  
0.3674

■ 87.0937, 0.3442,  
0.3674

■ 82.7508, 0.3619,  
0.3877

■ 91.7398, 0.3275,  
0.3474

■ 78.6894, 0.3802,  
0.4077

■ 96.6871, 0.3120,  
0.3281

■ 74.9021, 0.3986,  
0.4264

■ 99.2444, 0.3102,  
0.3290

■ 71.3770, 0.4164,  
0.4428

■ 68.1009, 0.4326,  
0.4558

■ 65.0586, 0.4466,  
0.4646

■ 62.2324, 0.4577,  
0.4685

■ 59.5949, 0.4659,  
0.4680

■ 59.4732, 0.4663,  
0.4680

# Harmonies

## Analogous

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



87.0937, 0.3560, 0.3566



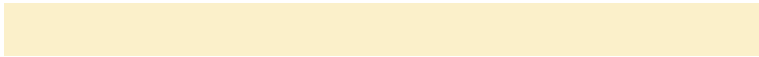
87.0937, 0.3442, 0.3674



87.0937, 0.3241, 0.3677

# Triad

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



87.0937, 0.3442, 0.3674



87.0937, 0.2714, 0.3162



87.0937, 0.3230, 0.3037

# Complementary

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



87.0937, 0.3442, 0.3674



67.0660, 0.2809, 0.2874

# Split Complementary

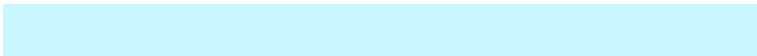
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.0937, 0.3002, 0.2934



87.0937, 0.3442, 0.3674



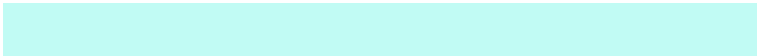
87.0937, 0.2711, 0.2998

# Square

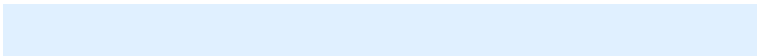
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.0937, 0.3442, 0.3674



87.0937, 0.2823, 0.3372



87.0937, 0.2814, 0.2918



87.0937, 0.3436, 0.3202

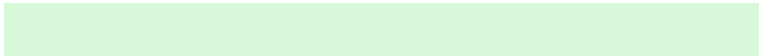


# Rectangle

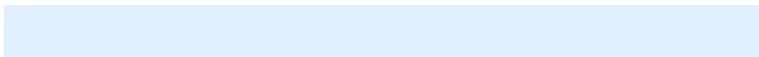
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.0937, 0.3442, 0.3674



87.0937, 0.3089, 0.3614



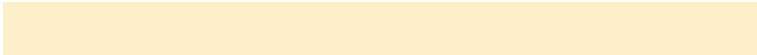
87.0937, 0.2814, 0.2918



87.0937, 0.3153, 0.2994

# Sweetspot

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



87.0976, 0.3442, 0.3674



96.8903, 0.3219, 0.3405



67.5550, 0.3426, 0.3173



20.6676, 0.3229, 0.3417



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.



87.0976, 0.3442, 0.3674



88.6988, 0.3503, 0.3745



91.4015, 0.3334, 0.3792



19.4937, 0.3274, 0.3473



31.4964, 0.4653, 0.4687



3.0731, 0.4587, 0.4740



# Inverse Universe

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



67.0660, 0.2809, 0.2874



64.8310, 0.2746, 0.2790



63.6421, 0.2891, 0.2764



17.2723, 0.2979, 0.3100



5.3304, 0.1566, 0.0836

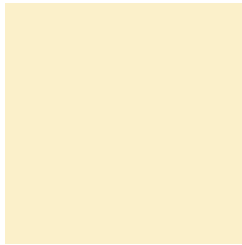


0.6447, 0.1624, 0.1047



# Previews

## White Background



This preview shows how the Yxy color 87.0937, 0.3442, 0.3674 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

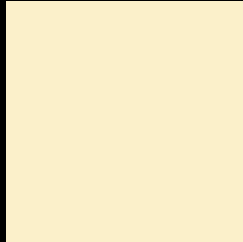
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.0937, 0.3442, 0.3674 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

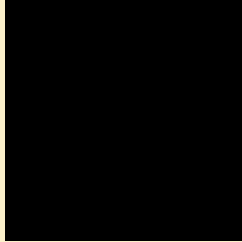
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 87.0937, 0.3442, 0.3674**

## Background



This preview shows how black text looks on a background with the Yxy color 87.0937, 0.3442, 0.3674.

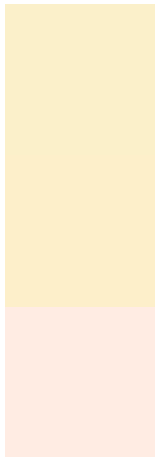


This preview shows how white text looks on a background with the Yxy color 87.0937, 0.3442, 0.3674.

# 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

87.0937, 0.3442, 0.3674

### Protanopia

86.8799, 0.3458, 0.3662

### Deuteranopia

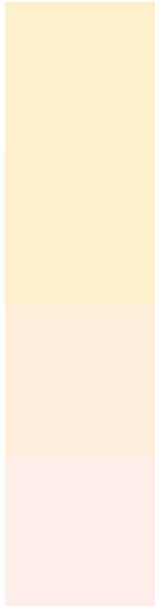
86.7970, 0.3313, 0.3379



## Tritanopia

87.0078, 0.3168, 0.3135

# Trichromacy



## Original Color

87.0937, 0.3442, 0.3674

## Protanomaly

86.6927, 0.3451, 0.3663

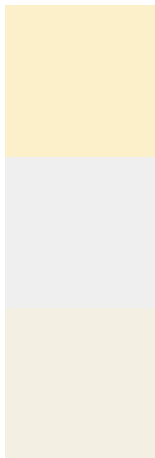
## Deuteranomaly

86.7012, 0.3364, 0.3480

## Tritanomaly

86.9449, 0.3268, 0.3320

# Monochromacy



## Original Color

87.0937, 0.3442, 0.3674

## Achromatopsia

86.3157, 0.3127, 0.3290

## Achromatomaly

86.2787, 0.3235, 0.3422

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.0937, 0.3442, 0.3674 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(251, 240, 202)` looks like.

```
.text, #text, p{  
    color:rgb(251, 240, 202)  
}
```

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(251, 240, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 240, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 87.0937, 0.3442, 0.3674 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(251, 240, 202) }
```

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

```
.border{ border-color:rgb(251, 240, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 240, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 240, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 240, 202);  
box-shadow:4px 4px 4px 4px rgb(251, 240,  
202) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.0937, 0.3442, 0.3674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 240, 202) }
```

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

```
.background{ background-color: rgb(251,  
240, 202) }
```

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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