

# Converting Colors

$Yxy(84.6481, 0.3431, 0.3601)$

Have a look what the booklet for  
Yxy(84.6481, 0.3431, 0.3601)  
contains.

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# Color

**Yxy(84.9079, 0.3430, 0.3604)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FBECCD
RGB	251, 236, 205
RGB Percent	98%, 93%, 80%
CMY	0.0155, 0.0745, 0.1961
CMYK	0.00, 0.06, 0.18, 0.02
HSL	40°, 85%, 89%
HSV	40°, 18%, 98%
XYZ	80.8086, 84.9079, 69.8770
YIQ	236.9510, 18.8910, -6.4610

# Conversions

## Conversions Part 2

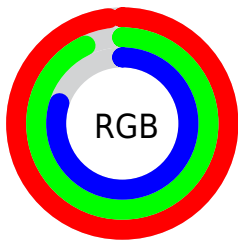
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	227, 251, 205
Decimal	16510157
CIE Lab	93.84, 0.21, 16.87
CIE LCh	94, 16.874, 89.295
Yxy	84.9079, 0.3430, 0.3604
Android (android.graphics.Color)	4294700237 (0xFFFBECDD)
YUV	236.9510, -15.7518, 12.3210
Hunter-Lab	92.1455, -4.7159, 19.5402

# Details

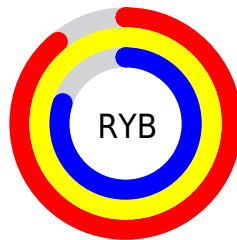
The Yxy color **84.9079, 0.3430, 0.3604** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **71.1502, 0.2832, 0.2955**, and the grayscale version is **84.7666, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.3462, 0.3493, 0.3667** is the 20% darker color. If you saturate the color by 10%, you get **79.1793, 0.3617, 0.3783**, and if you desaturate by 10%, it is **91.0556, 0.3258, 0.3430**.

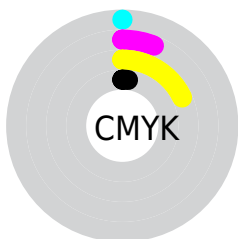
# Distribution



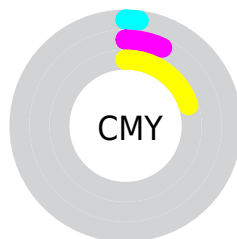
- Red (98%)
- Green (93%)
- Blue (80%)



- Red (89%)
- Yellow (98%)
- Blue (80%)



- Cyan (0%)
- Magenta (6%)
- Yellow (18%)
- Black (2%)




- Cyan (2%)
- Magenta (7%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.9079, 0.3430, 0.3604 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 84.9079, 0.3430, 0.3604 by changing the saturation by 10% instead.




 84.9079, 0.3430,  
0.3604

 84.9079, 0.3430,  
0.3604

511.3233, 0.3294,  
0.3463

 63.7653, 0.3460,  
0.3635

140.2445, 0.3383,  
0.3556

 46.4606, 0.3497,  
0.3673


175.2073, 0.3365,  
0.3537

 32.6094, 0.3543,  
0.3721


215.5455, 0.3349,  
0.3520

 21.8274, 0.3601,  
0.3781

261.6437, 0.3335,  
0.3506

 13.7301, 0.3679,  
0.3861

313.8862, 0.3323,  
0.3493

 7.9332, 0.3785,  
0.3971

372.6573, 0.3312,

 4.0522, 0.3940,

0.3482

0.4130

438.3415, 0.3303,  
0.3472

■ 1.7028, 0.4259,  
0.4460

■ 0.4255, 0.4904,  
0.5096

■ 84.9079, 0.3430,  
0.3604

■ 84.9079, 0.3430,  
0.3604

■ 79.1793, 0.3617,  
0.3783

■ 91.0556, 0.3258,  
0.3430

■ 73.8463, 0.3818,  
0.3961

■ 97.6099, 0.3104,  
0.3265

■ 68.8997, 0.4027,  
0.4129

■ 99.2574, 0.3103,  
0.3290

■ 64.3255, 0.4238,  
0.4278

■ 60.1085, 0.4442,  
0.4396

■ 56.2317, 0.4628,  
0.4472

■ 52.6755, 0.4786,  
0.4497

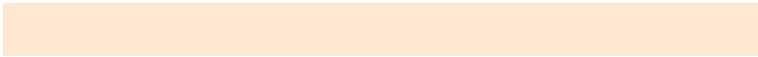
■ 49.4137, 0.4912,  
0.4473

■ 48.8973, 0.4931,  
0.4466

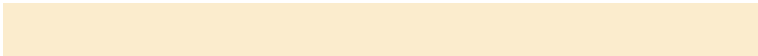
# Harmonies

## Analogous

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



84.9079, 0.3507, 0.3496



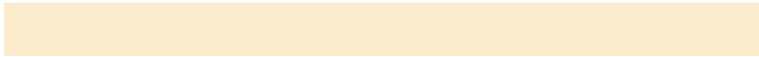
84.9079, 0.3430, 0.3604



84.9079, 0.3272, 0.3629

# Triad

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



84.9079, 0.3430, 0.3604



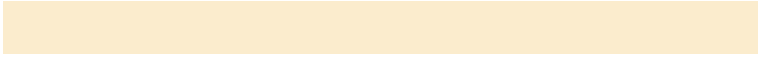
84.9079, 0.2787, 0.3224



84.9079, 0.3168, 0.3044

# Complementary

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



84.9079, 0.3430, 0.3604



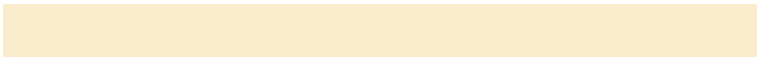
71.1502, 0.2832, 0.2955

# Split Complementary

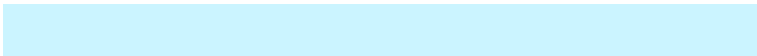
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.9079, 0.2976, 0.2973



84.9079, 0.3430, 0.3604



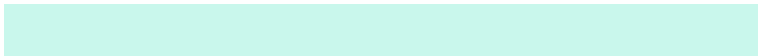
84.9079, 0.2761, 0.3069

# Square

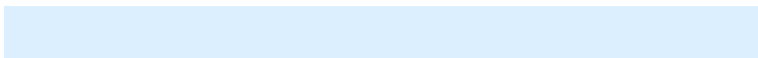
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.9079, 0.3430, 0.3604



84.9079, 0.2902, 0.3404



84.9079, 0.2829, 0.2980

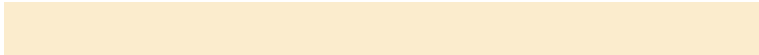


84.9079, 0.3354, 0.3176

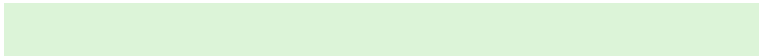


# Rectangle

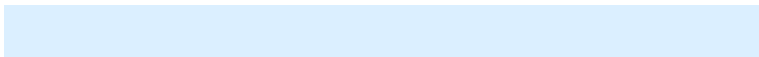
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.9079, 0.3430, 0.3604



84.9079, 0.3143, 0.3590



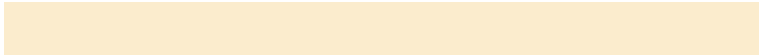
84.9079, 0.2829, 0.2980



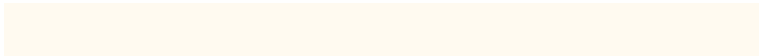
84.9079, 0.3102, 0.3013

# Sweetspot

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



84.9117, 0.3430, 0.3604



95.9049, 0.3220, 0.3390



69.3584, 0.3370, 0.3133



20.4342, 0.3231, 0.3401



0.0000, 0.0000, 0.0000

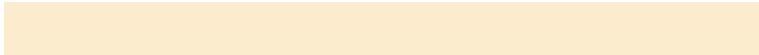


21.4041, 0.3127, 0.3290



# Same Dimension

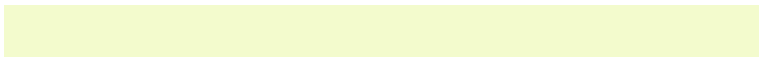
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.9117, 0.3430, 0.3604



85.7553, 0.3497, 0.3669



92.5492, 0.3353, 0.3756



19.1787, 0.3277, 0.3449



25.9692, 0.4916, 0.4479



2.5983, 0.4808, 0.4565



# Inverse Universe

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



71.1502, 0.2832, 0.2955



69.0937, 0.2769, 0.2879



64.7191, 0.2875, 0.2794



17.5692, 0.2979, 0.3126



7.0696, 0.1628, 0.1060

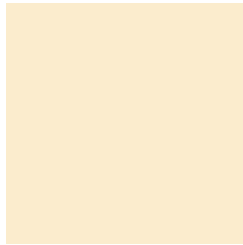


0.8393, 0.1693, 0.1294



# Previews

## White Background



This preview shows how the Yxy color 84.9079, 0.3430, 0.3604 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

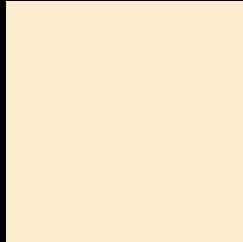
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.9079, 0.3430, 0.3604 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

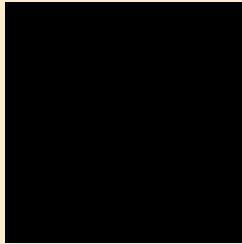
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.9079, 0.3430, 0.3604**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.9079, 0.3430, 0.3604.

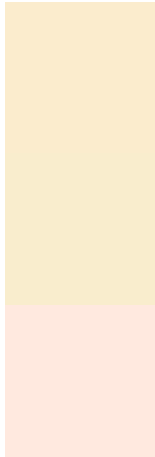


This preview shows how white text looks on a background with the Yxy color 84.9079, 0.3430, 0.3604.

# 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

84.9079, 0.3430, 0.3604

### Protanopia

85.1159, 0.3414, 0.3615

### Deuteranopia

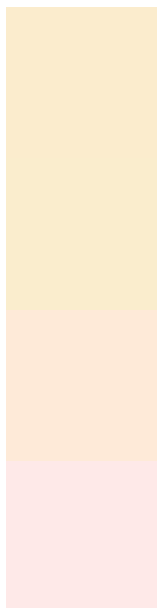
84.8655, 0.3343, 0.3390



## Tritanopia

85.1272, 0.3189, 0.3134

# Trichromacy



## Original Color

84.9079, 0.3430, 0.3604

## Protanomaly

85.3001, 0.3421, 0.3614

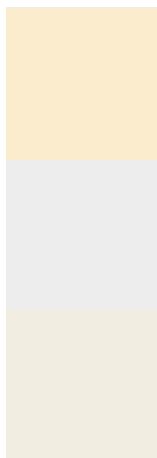
## Deuteranomaly

84.8743, 0.3381, 0.3471

## Tritanomaly

85.1749, 0.3277, 0.3300

# Monochromacy



## Original Color

84.9079, 0.3430, 0.3604

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

84.8819, 0.3236, 0.3412

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.9079, 0.3430, 0.3604 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, 236, 205)` looks like.

```
.text, #text, p{  
    color:rgb(251, 236, 205)  
}
```

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, 236, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 236, 205) }
```

## Border

The CSS property to change the border of an element to Yxy 84.9079, 0.3430, 0.3604 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, 236, 205) }
```

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

```
.border{ border-color:rgb(251, 236, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 236, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 236, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 236, 205);  
box-shadow:4px 4px 4px 4px rgb(251, 236,  
205) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.9079, 0.3430, 0.3604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 236, 205) }
```

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

```
.background{ background-color: rgb(251,  
236, 205) }
```

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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