

# Converting Colors

$Yxy(84.6869, 0.3474, 0.3667)$

Have a look what the booklet for  
Yxy(84.6869, 0.3474, 0.3667)  
contains.

<b>Yxy(84.6237, 0.3469, 0.3666)</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(84.6237, 0.3469, 0.3666)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBECC7
RGB	251, 236, 199
RGB Percent	98%, 93%, 78%
CMY	0.0158, 0.0744, 0.2197
CMYK	0.00, 0.06, 0.21, 0.02
HSL	43°, 87%, 88%
HSV	43°, 21%, 98%
XYZ	80.0763, 84.6237, 66.1339
YIQ	236.2670, 20.8170, -8.3270

# Conversions

## Conversions Part 2

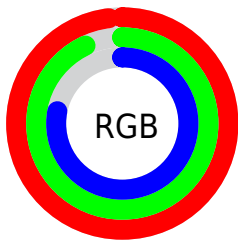
Format	Color
R <sub>YB</sub>	220, 251, 199
Decimal	16510151
CIE Lab	93.72, -0.70, 19.80
CIE LCh	94, 19.810, 92.022
Yxy	84.6237, 0.3469, 0.3666
Android (android.graphics.Color)	4294700231 (0xFFFFBECC7)
YUV	236.2670, -18.3726, 12.9208
Hunter-Lab	91.9911, -5.6042, 21.7693

# Details

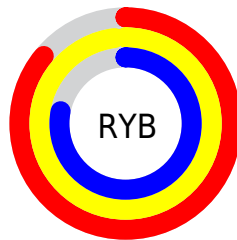
The Yxy color **84.6237, 0.3469, 0.3666** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **67.1579, 0.2790, 0.2883**, and the grayscale version is **84.2256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.1562, 0.3545, 0.3745** is the 20% darker color. If you saturate the color by 10%, you get **79.4847, 0.3655, 0.3855**, and if you desaturate by 10%, it is **90.1303, 0.3296, 0.3480**.

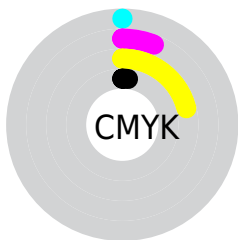
# Distribution



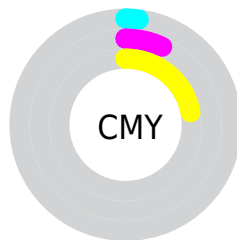
- Red (98%)
- Green (93%)
- Blue (78%)



- Red (86%)
- Yellow (98%)
- Blue (78%)



- Cyan (0%)
- Magenta (6%)
- Yellow (21%)
- Black (2%)




- Cyan (2%)
- Magenta (7%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.6237, 0.3469, 0.3666 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 84.6237, 0.3469, 0.3666 by changing the saturation by 10% instead.




 84.6237, 0.3469,  
0.3666

 84.6237, 0.3469,  
0.3666


510.3821, 0.3315,  
0.3497

 63.5305, 0.3503,  
0.3703


139.8473, 0.3417,  
0.3608

 46.2705, 0.3544,  
0.3749


174.7465, 0.3396,  
0.3586

 32.4593, 0.3595,  
0.3806


215.0165, 0.3378,  
0.3566

 21.7126, 0.3661,  
0.3878

261.0417, 0.3363,  
0.3549

 13.6459, 0.3746,  
0.3974

313.2064, 0.3349,  
0.3533

 7.8748, 0.3863,  
0.4104

371.8951, 0.3336,

 4.0149, 0.4029,

0.3520

0.4292

437.4922, 0.3325,  
0.3508

1.6819, 0.4462,  
0.4772

0.4119, 0.4762,  
0.5238

84.6237, 0.3469,  
0.3666

84.6237, 0.3469,  
0.3666

79.4847, 0.3655,  
0.3855

90.1303, 0.3296,  
0.3480

74.6907, 0.3850,  
0.4040

96.0039, 0.3138,  
0.3302

70.2332, 0.4050,  
0.4212

99.2426, 0.3102,  
0.3290

66.0990, 0.4247,  
0.4362

■ 62.2734, 0.4432,  
0.4478

■ 58.7401, 0.4595,  
0.4549

■ 55.4796, 0.4728,  
0.4571

■ 52.6687, 0.4826,  
0.4550

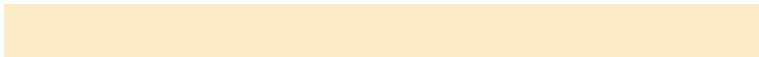
# Harmonies

## Analogous

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



84.6237, 0.3571, 0.3544



84.6237, 0.3469, 0.3666



84.6237, 0.3276, 0.3687

# Triad

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



84.6237, 0.3469, 0.3666



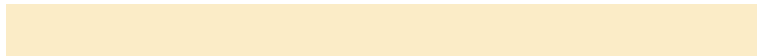
84.6237, 0.2722, 0.3192



84.6237, 0.3195, 0.3015

# Complementary

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



84.6237, 0.3469, 0.3666



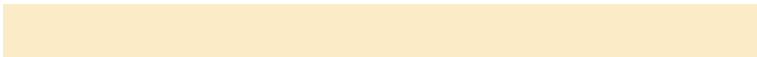
67.1579, 0.2790, 0.2883

# Split Complementary

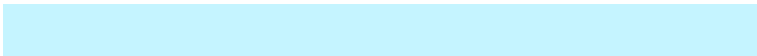
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.6237, 0.2968, 0.2923



84.6237, 0.3469, 0.3666



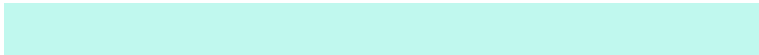
84.6237, 0.2701, 0.3016

# Square

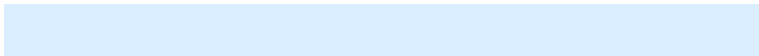
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.6237, 0.3469, 0.3666



84.6237, 0.2847, 0.3405



84.6237, 0.2790, 0.2922

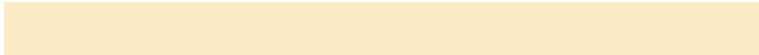


84.6237, 0.3411, 0.3173

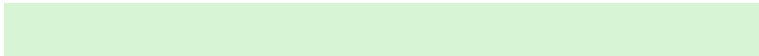


# Rectangle

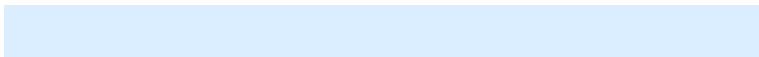
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.6237, 0.3469, 0.3666



84.6237, 0.3124, 0.3635



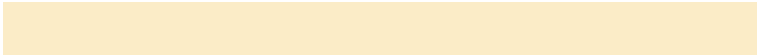
84.6237, 0.2790, 0.2922



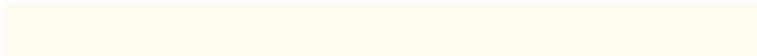
84.6237, 0.3117, 0.2975

# Sweetspot

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



84.6275, 0.3469, 0.3666



96.2791, 0.3220, 0.3395



66.2254, 0.3422, 0.3130



20.5228, 0.3230, 0.3407



0.0000, 0.0000, 0.0000

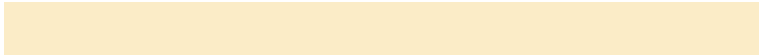


21.4041, 0.3127, 0.3290

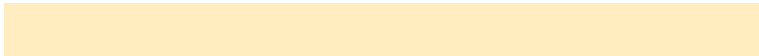


# Same Dimension

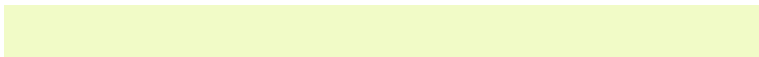
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.6275, 0.3469, 0.3666



85.4116, 0.3548, 0.3747



91.7193, 0.3370, 0.3820



19.2981, 0.3276, 0.3458



27.9557, 0.4813, 0.4561



2.7706, 0.4721, 0.4634



# Inverse Universe

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



67.1579, 0.2790, 0.2883



64.2136, 0.2714, 0.2786



61.4116, 0.2850, 0.2725



17.4557, 0.2979, 0.3116



6.3227, 0.1602, 0.0966

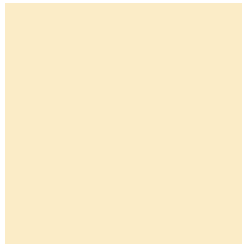


0.7587, 0.1665, 0.1195



# Previews

## White Background



This preview shows how the Yxy color 84.6237, 0.3469, 0.3666 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 84.6237, 0.3469, 0.3666 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

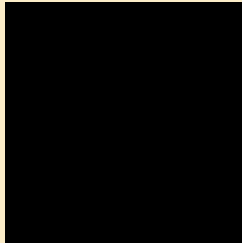
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.6237, 0.3469, 0.3666**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.6237, 0.3469, 0.3666.

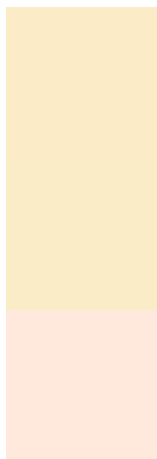


This preview shows how white text looks on a background with the Yxy color 84.6237, 0.3469, 0.3666.

# 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

84.6237, 0.3469, 0.3666

### Protanopia

84.4384, 0.3462, 0.3667

### Deuteranopia

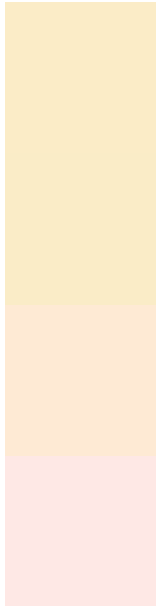
84.7051, 0.3363, 0.3420



## Tritanopia

84.5074, 0.3196, 0.3134

# Trichromacy



## Original Color

84.6237, 0.3469, 0.3666

## Protanomaly

84.4384, 0.3462, 0.3667

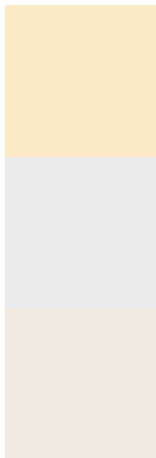
## Deuteranomaly

84.6699, 0.3408, 0.3511

## Tritanomaly

84.4412, 0.3298, 0.3320

# Monochromacy



## Original Color

84.6237, 0.3469, 0.3666

## Achromatopsia

83.8799, 0.3127, 0.3290

## Achromatomaly

84.0194, 0.3243, 0.3423

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.6237, 0.3469, 0.3666 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, 199)` looks like.

```
.text, #text, p{  
    color:rgb(251, 236, 199)  
}
```

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, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 236, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 84.6237, 0.3469, 0.3666 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, 199) }
```

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

```
.border{ border-color:rgb(251, 236, 199) }
```

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, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 236, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 236, 199);  
box-shadow:4px 4px 4px 4px rgb(251, 236,  
199) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.6237, 0.3469, 0.3666 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, 199) }
```

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

```
.background{ background-color: rgb(251,  
236, 199) }
```

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