

# Converting Colors

$Y_{xy}(76.9770, 0.3413, 0.3497)$

Have a look what the booklet for  
Yxy(76.9770, 0.3413, 0.3497)  
contains.

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# Color

**Yxy(77.0834, 0.3413, 0.3498)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5E0CC
RGB	245, 224, 204
RGB Percent	96%, 88%, 80%
CMY	0.0393, 0.1215, 0.1998
CMYK	0.00, 0.09, 0.17, 0.04
HSL	29°, 67%, 88%
HSV	29°, 17%, 96%
XYZ	75.2103, 77.0834, 68.0705
YIQ	227.9990, 18.9360, -1.7680

# Conversions

## Conversions Part 2

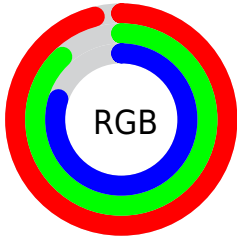
Format	Color
R <sub>Y</sub> B	245, 243, 204
Decimal	16113868
CIE Lab	90.36, 4.02, 12.37
CIE LCh	90, 13.003, 71.987
Yxy	77.0834, 0.3413, 0.3498
Android (android.graphics.Color)	4294303948 (0xFFFF5E0CC)
YUV	227.9990, -11.8315, 14.9099
Hunter-Lab	87.7972, -0.7353, 15.4895

# Details

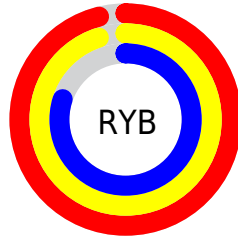
The Yxy color **77.0834, 0.3413, 0.3498** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.2974, 0.2864, 0.3073**, and the grayscale version is **77.6627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.2693, 0.3474, 0.3546** is the 20% darker color. If you saturate the color by 10%, you get **69.5016, 0.3617, 0.3630**, and if you desaturate by 10%, it is **85.3551, 0.3234, 0.3371**.

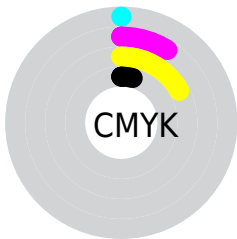
# Distribution



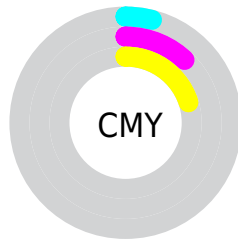
- Red (96%)
- Green (88%)
- Blue (80%)



- Red (96%)
- Yellow (95%)
- Blue (80%)



- Cyan (0%)
- Magenta (9%)
- Yellow (17%)
- Black (4%)




- Cyan (4%)
- Magenta (12%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.0834, 0.3413, 0.3498 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 77.0834, 0.3413, 0.3498 by changing the saturation by 10% instead.




 77.0834, 0.3413,  
0.3498

 77.0834, 0.3413,  
0.3498

485.0483, 0.3282,  
0.3404

 57.3213, 0.3443,  
0.3519


129.2572, 0.3368,  
0.3466

 41.2633, 0.3480,  
0.3545


162.4377, 0.3350,  
0.3453

 28.5249, 0.3526,  
0.3577


200.8598, 0.3335,  
0.3442

 18.7217, 0.3586,  
0.3618

244.9080, 0.3321,  
0.3432

 11.4693, 0.3668,  
0.3673

294.9665, 0.3309,  
0.3424

 6.3835, 0.3784,  
0.3750

351.4198, 0.3299,

 3.0796, 0.3961,

0.3417

0.3863

414.6523, 0.3290,  
0.3410

■ 1.1734, 0.4428,  
0.4197

■ 0.0399, 0.7734,  
0.2266

■ 77.0834, 0.3413,  
0.3498

■ 77.0834, 0.3413,  
0.3498

■ 69.5016, 0.3617,  
0.3630

■ 85.3551, 0.3234,  
0.3371

■ 62.5802, 0.3847,  
0.3763

■ 94.3247, 0.3078,  
0.3252

■ 56.3021, 0.4101,  
0.3891

■ 98.1491, 0.3066,  
0.3290

■ 50.6458, 0.4375,  
0.4003

■ 45.5881, 0.4659,  
0.4089

■ 41.1039, 0.4938,  
0.4134

■ 37.1653, 0.5192,  
0.4128

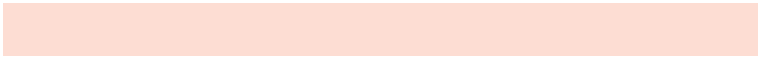
■ 33.7400, 0.5406,  
0.4067

■ 32.7126, 0.5470,  
0.4039

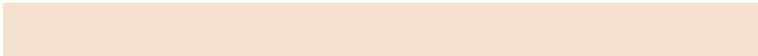
# Harmonies

## Analogous

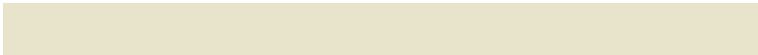
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.0834, 0.3427, 0.3386



77.0834, 0.3413, 0.3498



77.0834, 0.3321, 0.3557

# Triad

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



77.0834, 0.3413, 0.3498



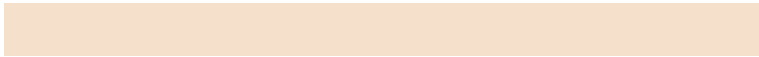
77.0834, 0.2901, 0.3321



77.0834, 0.3070, 0.3053

# Complementary

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



77.0834, 0.3413, 0.3498



73.2974, 0.2864, 0.3073

# 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.



77.0834, 0.2932, 0.3031



77.0834, 0.3413, 0.3498



77.0834, 0.2837, 0.3182

# Square

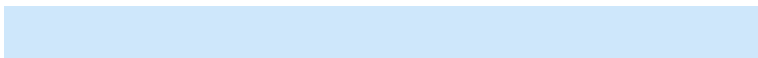
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.0834, 0.3413, 0.3498



77.0834, 0.3025, 0.3455



77.0834, 0.2848, 0.3077



77.0834, 0.3226, 0.3133



# Rectangle

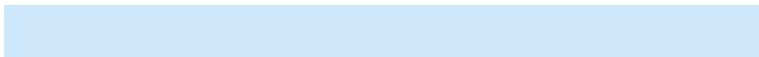
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.0834, 0.3413, 0.3498



77.0834, 0.3230, 0.3556



77.0834, 0.2848, 0.3077



77.0834, 0.3020, 0.3038

# Sweetspot

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



77.0868, 0.3413, 0.3498



95.1083, 0.3206, 0.3350



68.0647, 0.3288, 0.3071



20.2133, 0.3218, 0.3359



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

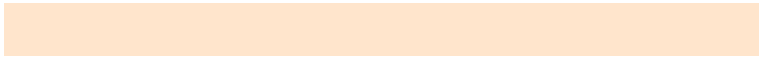


# Same Dimension

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



77.0868, 0.3413, 0.3498



81.5859, 0.3478, 0.3542



88.6525, 0.3380, 0.3699



17.8166, 0.3281, 0.3406



17.9012, 0.5444, 0.4059



1.7784, 0.5246, 0.4217

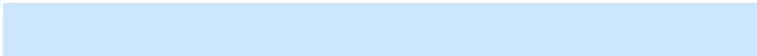


# Inverse Universe

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



73.2974, 0.2864, 0.3073



76.7238, 0.2810, 0.3025



62.9693, 0.2854, 0.2845



17.3308, 0.2980, 0.3172



11.8041, 0.1783, 0.1618

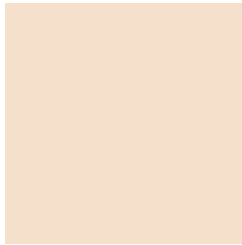


1.2432, 0.1845, 0.1841



# Previews

## White Background



This preview shows how the Yxy color 77.0834, 0.3413, 0.3498 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

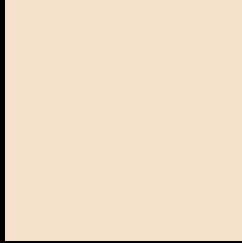
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.0834, 0.3413, 0.3498 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

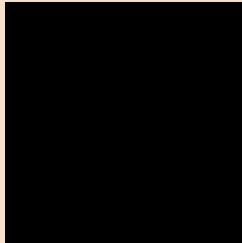
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 77.0834, 0.3413, 0.3498**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.0834, 0.3413, 0.3498.

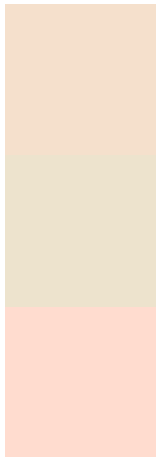


This preview shows how white text looks on a background with the Yxy color 77.0834, 0.3413, 0.3498.

# 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

77.0834, 0.3413, 0.3498

### Protanopia

77.3505, 0.3343, 0.3523

### Deuteranopia

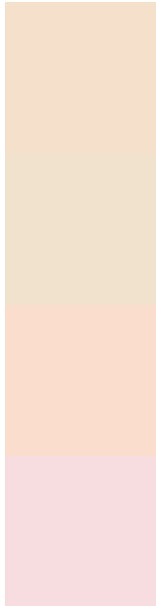
76.9514, 0.3474, 0.3423



## Tritanopia

76.8589, 0.3228, 0.3119

# Trichromacy



**Original Color**

77.0834, 0.3413, 0.3498

**Protanomaly**

77.3258, 0.3367, 0.3511

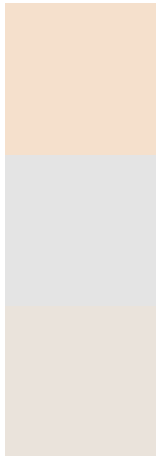
**Deuteranomaly**

76.6784, 0.3449, 0.3445

**Tritanomaly**

77.0512, 0.3301, 0.3260

# Monochromacy



**Original Color**

77.0834, 0.3413, 0.3498

**Achromatopsia**

77.5822, 0.3127, 0.3290

**Achromatomaly**

77.5451, 0.3228, 0.3374

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.0834, 0.3413, 0.3498 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(245, 224, 204)` looks like.

```
.text, #text, p{  
    color:rgb(245, 224, 204)  
}
```

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(245, 224, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 224, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 77.0834, 0.3413, 0.3498 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(245, 224, 204) }
```

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

```
.border{ border-color:rgb(245, 224, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 224, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 224, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 224, 204);  
box-shadow:4px 4px 4px 4px rgb(245, 224,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.0834, 0.3413, 0.3498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 224, 204) }
```

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

```
.background{ background-color: rgb(245,  
224, 204) }
```

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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