

# Converting Colors

$Y_{xy}(77.2079, 0.3786, 0.4007)$

Have a look what the booklet for  
Yxy(77.2079, 0.3786, 0.4007)  
contains.

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# **Color**

**Yxy(77.3022, 0.3785, 0.4009)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBE29C
RGB	251, 226, 156
RGB Percent	98%, 89%, 61%
CMY	0.0157, 0.1137, 0.3881
CMYK	0.00, 0.10, 0.38, 0.02
HSL	44°, 92%, 80%
HSV	44°, 38%, 98%
XYZ	72.9830, 77.3022, 42.5365
YIQ	225.4950, 37.3700, -16.4700

# Conversions

## Conversions Part 2

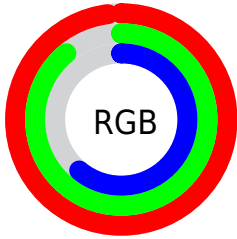
Format	Color
R <sub>Y</sub> B	190, 251, 156
Decimal	16507548
CIE Lab	90.46, -1.02, 37.35
CIE LCh	90, 37.361, 91.569
Yxy	77.3022, 0.3785, 0.4009
Android (android.graphics.Color)	4294697628 (0xFFFBE29C)
YUV	225.4950, -34.2610, 22.3679
Hunter-Lab	87.9217, -5.6917, 32.8607

# Details

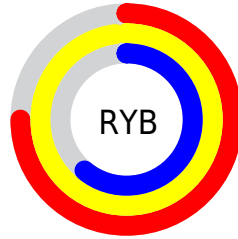
The Yxy color **77.3022, 0.3785, 0.4009** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **47.0927, 0.2474, 0.2445**, and the grayscale version is **75.9049, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4831, 0.3388, 0.3721**, and **41.4628, 0.3923, 0.4165** is the 20% darker color. If you saturate the color by 10%, you get **73.0171, 0.3979, 0.4191**, and if you desaturate by 10%, it is **81.9086, 0.3596, 0.3817**.

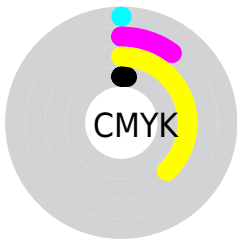
# Distribution



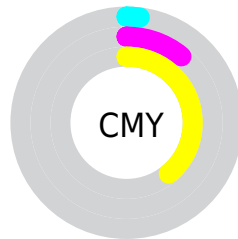
- Red (98%)
- Green (89%)
- Blue (61%)



- Red (75%)
- Yellow (98%)
- Blue (61%)



- Cyan (0%)
- Magenta (10%)
- Yellow (38%)
- Black (2%)




- Cyan (2%)
- Magenta (11%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.3022, 0.3785, 0.4009 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 77.3022, 0.3785, 0.4009 by changing the saturation by 10% instead.





 77.3022, 0.3785,  
0.4009


 77.3022, 0.3785,  
0.4009

485.7938, 0.3489,  
0.3685

 57.5009, 0.3849,  
0.4080


 129.5660, 0.3685,  
0.3899

 41.4076, 0.3926,  
0.4165


 162.7973, 0.3645,  
0.3855

 28.6377, 0.4020,  
0.4269

201.2741, 0.3611,  
0.3818

 18.8069, 0.4135,  
0.4398

245.3807, 0.3581,  
0.3784

 11.5308, 0.4279,  
0.4559

295.5016, 0.3554,  
0.3755

 6.4251, 0.4454,  
0.4758

352.0211, 0.3530,

 3.1052, 0.4824,

0.3729

0.5176

415.3237, 0.3509,  
0.3706

■ 1.1869, 0.4806,  
0.5194

■ 0.0510, 0.3153,  
0.6847

■ 77.3022, 0.3785,  
0.4009

■ 77.3022, 0.3785,  
0.4009

■ 73.0171, 0.3979,  
0.4191

■ 81.9086, 0.3596,  
0.3817

■ 69.0301, 0.4170,  
0.4353

■ 86.8371, 0.3416,  
0.3623

■ 65.3312, 0.4350,  
0.4484

■ 92.1019, 0.3249,  
0.3433

■ 61.9049, 0.4509,  
0.4573

■ 97.6210, 0.3103,  
0.3265

■ 58.7335, 0.4641,  
0.4613

■ 99.2498, 0.3102,  
0.3290

■ 55.7934, 0.4742,  
0.4606

■ 55.1816, 0.4762,  
0.4601

# Harmonies

## Analogous

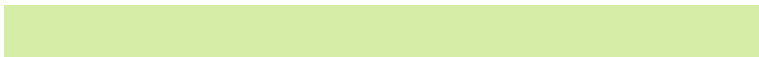
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.3022, 0.3993, 0.3748



77.3022, 0.3785, 0.4009



77.3022, 0.3406, 0.4083

# Triad

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



77.3022, 0.3785, 0.4009



77.3022, 0.2363, 0.3085



77.3022, 0.3243, 0.2773

# Complementary

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



77.3022, 0.3785, 0.4009



47.0927, 0.2474, 0.2445

# 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.



77.3022, 0.2808, 0.2607



77.3022, 0.3785, 0.4009



77.3022, 0.2326, 0.2756

# Square

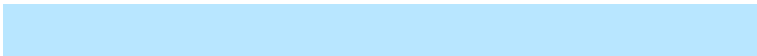
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.3022, 0.3785, 0.4009



77.3022, 0.2591, 0.3516



77.3022, 0.2482, 0.2594



77.3022, 0.3673, 0.3056

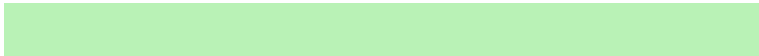


# Rectangle

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



77.3022, 0.3785, 0.4009



77.3022, 0.3113, 0.3991



77.3022, 0.2482, 0.2594



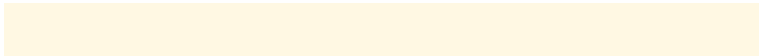
77.3022, 0.3092, 0.2702

# Sweetspot

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



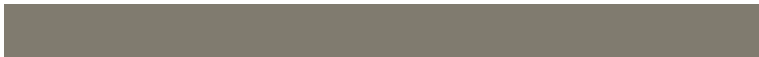
77.3058, 0.3785, 0.4009



93.7029, 0.3300, 0.3492



47.6455, 0.3810, 0.3022



19.8966, 0.3323, 0.3518



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

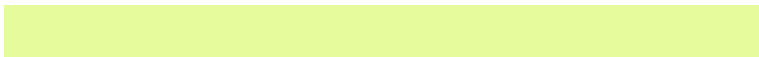
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.3058, 0.3785, 0.4009



76.9017, 0.3924, 0.4142



88.0291, 0.3542, 0.4285



19.3722, 0.3275, 0.3464



29.2554, 0.4751, 0.4610



2.8823, 0.4669, 0.4675



# Inverse Universe

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



47.0927, 0.2474, 0.2445



41.7367, 0.2338, 0.2250



40.2373, 0.2586, 0.2181



17.3858, 0.2979, 0.3110



5.9139, 0.1587, 0.0913



0.7129, 0.1649, 0.1136



# Previews

## White Background



This preview shows how the Yxy color 77.3022, 0.3785, 0.4009 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

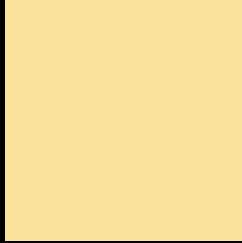
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.3022, 0.3785, 0.4009 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 77.3022, 0.3785, 0.4009**

## Background



This preview shows how black text looks on a background with the Yxy color 77.3022, 0.3785, 0.4009.

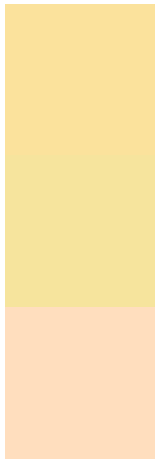


This preview shows how white text looks on a background with the Yxy color 77.3022, 0.3785, 0.4009.

# 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

77.3022, 0.3785, 0.4009

### Protanopia

77.5140, 0.3733, 0.4028

### Deuteranopia

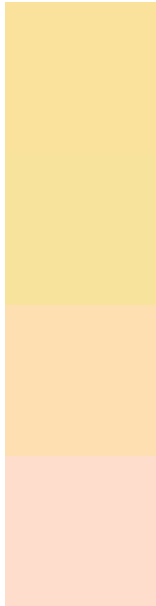
77.2203, 0.3591, 0.3618



## Tritanopia

77.2290, 0.3300, 0.3151

# Trichromacy



**Original Color**

77.3022, 0.3785, 0.4009

**Protanomaly**

77.3289, 0.3752, 0.4015

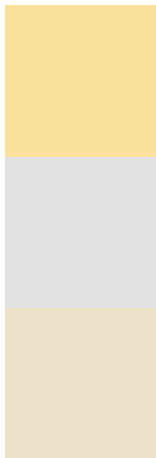
**Deuteranomaly**

77.0605, 0.3666, 0.3752

**Tritanomaly**

77.1434, 0.3486, 0.3464

# Monochromacy



**Original Color**

77.3022, 0.3785, 0.4009

**Achromatopsia**

76.0525, 0.3127, 0.3290

**Achromatomaly**

76.2719, 0.3357, 0.3557

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.3022, 0.3785, 0.4009 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, 226, 156)` looks like.

```
.text, #text, p{  
    color:rgb(251, 226, 156)  
}
```

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, 226, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 226, 156) }
```

## Border

The CSS property to change the border of an element to Yxy 77.3022, 0.3785, 0.4009 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, 226, 156) }
```

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

```
.border{ border-color:rgb(251, 226, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 226, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 226, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 226, 156);  
box-shadow:4px 4px 4px 4px rgb(251, 226,  
156) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.3022, 0.3785, 0.4009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 226, 156) }
```

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

```
.background{ background-color: rgb(251,  
226, 156) }
```

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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