

# Converting Colors

$Y_{xy}(100.0000, 0.4322, 0.3631)$

Have a look what the booklet for  
Yxy(100.0000, 0.4322, 0.3631)  
contains.

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# Color

**Yxy(77.8666, 0.3657, 0.3740)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE0B4
RGB	255, 224, 180
RGB Percent	100%, 88%, 71%
CMY	0.0000, 0.1216, 0.2941
CMYK	0.00, 0.12, 0.29, 0.00
HSL	35°, 100%, 85%
HSV	35°, 29%, 100%
XYZ	76.1385, 77.8666, 54.1943
YIQ	228.2530, 32.6000, -7.1120

# Conversions

## Conversions Part 2

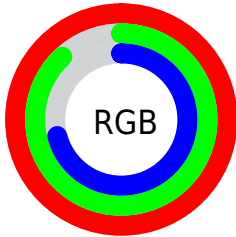
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	233, 255, 180
Decimal	16769204
CIE <sub>Lab</sub>	90.72, 4.37, 25.50
CIE <sub>LCh</sub>	91, 25.870, 80.278
Yxy	77.8666, 0.3657, 0.3740
Android (android.graphics.Color)	4294959284 (0xFFFFE0B4)
YUV	228.2530, -23.7887, 23.4571
Hunter-Lab	88.2421, -0.4071, 25.3562

# Details

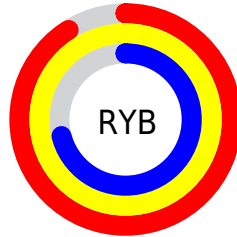
The Yxy color **77.8666, 0.3657, 0.3740** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **63.5100, 0.2646, 0.2793**, and the grayscale version is **77.9365, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8361, 0.3238, 0.3473**, and **41.7786, 0.3772, 0.3840** is the 20% darker color. If you saturate the color by 10%, you get **71.4303, 0.3875, 0.3897**, and if you desaturate by 10%, it is **84.8453, 0.3457, 0.3582**.

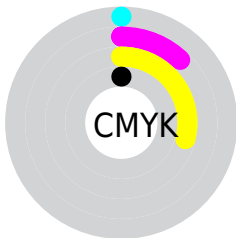
# Distribution



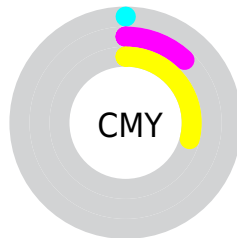
- Red (100%)
- Green (88%)
- Blue (71%)



- Red (91%)
- Yellow (100%)
- Blue (71%)



- Cyan (0%)
- Magenta (12%)
- Yellow (29%)
- Black (0%)




- Cyan (0%)
- Magenta (12%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.8666, 0.3657, 0.3740 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 77.8666, 0.3657, 0.3740 by changing the saturation by 10% instead.




 77.8666, 0.3657,  
0.3740

 77.8666, 0.3657,  
0.3740


487.7137, 0.3415,  
0.3538

 57.9644, 0.3711,  
0.3784


 130.3621, 0.3574,  
0.3671

 41.7800, 0.3777,  
0.3838


163.7241, 0.3541,  
0.3644

 28.9291, 0.3860,  
0.3904


202.3415, 0.3513,  
0.3621

 19.0272, 0.3965,  
0.3987

246.5988, 0.3489,  
0.3600

 11.6899, 0.4104,  
0.4095

296.8802, 0.3467,  
0.3582

 6.5329, 0.4293,  
0.4235

353.5703, 0.3448,

 3.1717, 0.4570,

0.3566

0.4431

417.0533, 0.3430,  
0.3551

1.2220, 0.5152,  
0.4848

0.0796, 0.6961,  
0.3039

77.8666, 0.3657,  
0.3740

77.8666, 0.3657,  
0.3740

71.4303, 0.3875,  
0.3897

84.8453, 0.3457,  
0.3582

65.5196, 0.4108,  
0.4045

92.3822, 0.3278,  
0.3428

60.1164, 0.4350,  
0.4174

100.0000, 0.3127,  
0.3290

55.2013, 0.4589,  
0.4271

■ 50.7527, 0.4813,  
0.4324

■ 46.7461, 0.5009,  
0.4325

■ 43.1474, 0.5169,  
0.4274

■ 42.9467, 0.5179,  
0.4270

# Harmonies

## Analogous

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



77.8666, 0.3735, 0.3535



77.8666, 0.3657, 0.3740



77.8666, 0.3435, 0.3834

# Triad

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



77.8666, 0.3657, 0.3740



77.8666, 0.2637, 0.3264



77.8666, 0.3093, 0.2866

# Complementary

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



77.8666, 0.3657, 0.3740



63.5100, 0.2646, 0.2793

# 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.



77.8666, 0.2808, 0.2789



77.8666, 0.3657, 0.3740



77.8666, 0.2555, 0.3000

# Square

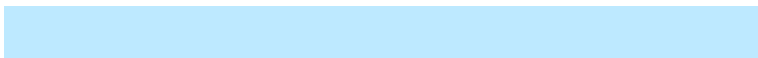
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.8666, 0.3657, 0.3740



77.8666, 0.2846, 0.3554



77.8666, 0.2616, 0.2832



77.8666, 0.3401, 0.3043

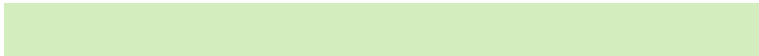


# Rectangle

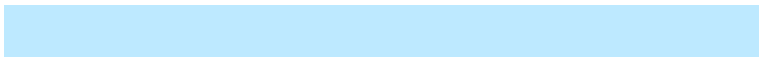
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.8666, 0.3657, 0.3740



77.8666, 0.3240, 0.3809



77.8666, 0.2616, 0.2832



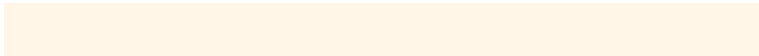
77.8666, 0.2992, 0.2828

# Sweetspot

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



77.8666, 0.3657, 0.3740



92.7056, 0.3271, 0.3422



58.6170, 0.3513, 0.2969



19.5998, 0.3296, 0.3444



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

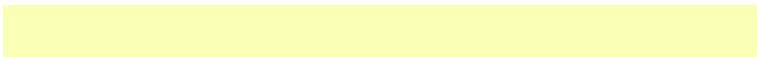
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.8666, 0.3657, 0.3740



74.2047, 0.3777, 0.3828



94.9090, 0.3531, 0.4039



19.7582, 0.3280, 0.3429



22.7421, 0.5158, 0.4287



2.4299, 0.5018, 0.4398



# Inverse Universe

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



63.5100, 0.2646, 0.2793



57.8412, 0.2549, 0.2681



50.3315, 0.2649, 0.2438



18.6110, 0.2979, 0.3147



9.3713, 0.1694, 0.1298



1.1217, 0.1756, 0.1520



# Previews

## White Background



This preview shows how the Yxy color 77.8666, 0.3657, 0.3740 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

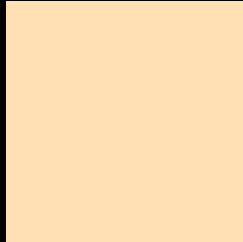
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.8666, 0.3657, 0.3740 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

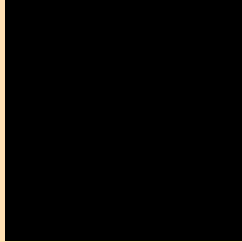
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 77.8666, 0.3657, 0.3740**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.8666, 0.3657, 0.3740.



This preview shows how white text looks on a background with the Yxy color 77.8666, 0.3657, 0.3740.

# 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

77.8666, 0.3657, 0.3740

### Protanopia

77.9189, 0.3542, 0.3773

### Deuteranopia

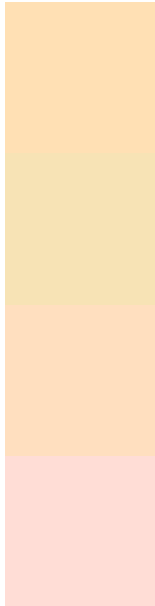
78.1126, 0.3532, 0.3545



## Tritanopia

77.8062, 0.3292, 0.3151

# Trichromacy



**Original Color**

77.8666, 0.3657, 0.3740

**Protanomaly**

78.0485, 0.3581, 0.3769

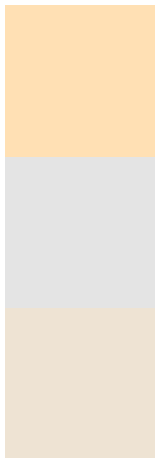
**Deuteranomaly**

77.7969, 0.3582, 0.3617

**Tritanomaly**

77.8279, 0.3422, 0.3362

# Monochromacy



**Original Color**

77.8666, 0.3657, 0.3740

**Achromatopsia**

77.5822, 0.3127, 0.3290

**Achromatomaly**

77.8185, 0.3310, 0.3458

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.8666, 0.3657, 0.3740 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(255, 224, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 180)  
}
```

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(255, 224, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 180) }
```

## Border

The CSS property to change the border of an element to Yxy 77.8666, 0.3657, 0.3740 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(255, 224, 180) }
```

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

```
.border{ border-color:rgb(255, 224, 180) }
```

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

Here you see how a box with a 4 pixel rgb(255, 224, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 224, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 224, 180);  
box-shadow:4px 4px 4px 4px rgb(255, 224,  
180) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.8666, 0.3657, 0.3740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 224, 180) }
```

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

```
.background{ background-color: rgb(255,  
224, 180) }
```

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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