

# Converting Colors

$Y_{xy}(132.3973, 0.4940, 0.3536)$

Have a look what the booklet for  
Yxy(132.3973, 0.4940, 0.3536)  
contains.

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# Color

**Yxy(75.5810, 0.3697, 0.3742)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDCB0
RGB	255, 220, 176
RGB Percent	100%, 86%, 69%
CMY	0.0000, 0.1372, 0.3098
CMYK	0.00, 0.14, 0.31, 0.00
HSL	33°, 100%, 85%
HSV	33°, 31%, 100%
XYZ	74.6721, 75.5810, 51.7271
YIQ	225.4490, 34.9840, -6.2640

# Conversions

## Conversions Part 2

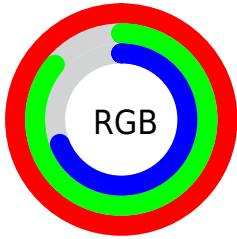
Format	Color
R <sub>Y</sub> B	239, 255, 176
Decimal	16768176
CIE Lab	89.66, 5.91, 26.12
CIE LCh	90, 26.784, 77.245
Yxy	75.5810, 0.3697, 0.3742
Android (android.graphics.Color)	4294958256 (0xFFFFDCB0)
YUV	225.4490, -24.3784, 25.9162
Hunter-Lab	86.9373, 1.1766, 25.5790

# Details

The Yxy color **75.5810, 0.3697, 0.3742** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **63.0381, 0.2622, 0.2790**, and the grayscale version is **75.7957, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6062, 0.3262, 0.3513**, and **40.2106, 0.3827, 0.3842** is the 20% darker color. If you saturate the color by 10%, you get **68.9353, 0.3924, 0.3891**, and if you desaturate by 10%, it is **82.8206, 0.3490, 0.3591**.

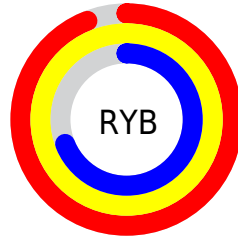
# Distribution



Red (100%)

Green (86%)

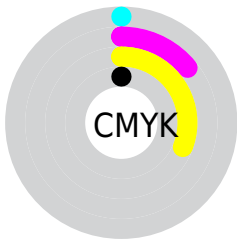
Blue (69%)



Red (94%)

Yellow (100%)

Blue (69%)

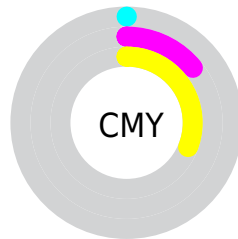


Cyan (0%)

Magenta (14%)

Yellow (31%)

Black (0%)



Cyan (0%)

Magenta (14%)


Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.5810, 0.3697, 0.3742 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 75.5810, 0.3697, 0.3742 by changing the saturation by 10% instead.





 75.5810, 0.3697,  
0.3742

 75.5810, 0.3697,  
0.3742


479.9122, 0.3435,  
0.3539

 56.0890, 0.3756,  
0.3786


 127.1345, 0.3607,  
0.3673

 40.2743, 0.3828,  
0.3840


159.9647, 0.3571,  
0.3646

 27.7525, 0.3918,  
0.3906


198.0098, 0.3541,  
0.3622

 18.1391, 0.4034,  
0.3989

241.6542, 0.3514,  
0.3601

 11.0499, 0.4187,  
0.4095

291.2822, 0.3491,  
0.3583

 6.1004, 0.4395,  
0.4231

347.2783, 0.3470,

 2.9062, 0.4727,

0.3567

0.4441

410.0268, 0.3452,  
0.3552

■ 1.0830, 0.5263,  
0.4737

■ 0.0000, 1.0000,  
0.0000

■ 75.5810, 0.3697,  
0.3742

■ 75.5810, 0.3697,  
0.3742

■ 68.9353, 0.3924,  
0.3891

■ 82.8206, 0.3490,  
0.3591

■ 62.8596, 0.4168,  
0.4030

■ 90.6661, 0.3306,  
0.3444

■ 57.3360, 0.4421,  
0.4148

■ 99.1360, 0.3142,  
0.3303

■ 52.3430, 0.4672,  
0.4233

■ 100.0000, 0.3127,  
0.3290

■ 47.8570, 0.4907,  
0.4272

■ 43.8509, 0.5112,  
0.4257

■ 40.6159, 0.5266,  
0.4201

# Harmonies

## Analogous

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



75.5810, 0.3761, 0.3519



75.5810, 0.3697, 0.3742



75.5810, 0.3477, 0.3856

# Triad

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



75.5810, 0.3697, 0.3742



75.5810, 0.2632, 0.3293



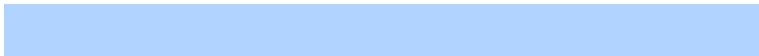
75.5810, 0.3059, 0.2835

# Complementary

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



75.5810, 0.3697, 0.3742



63.0381, 0.2622, 0.2790

# 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.



75.5810, 0.2768, 0.2766



75.5810, 0.3697, 0.3742



75.5810, 0.2532, 0.3010

# Square

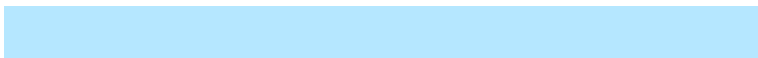
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.5810, 0.3697, 0.3742



75.5810, 0.2861, 0.3594



75.5810, 0.2581, 0.2824



75.5810, 0.3382, 0.3010



# Rectangle

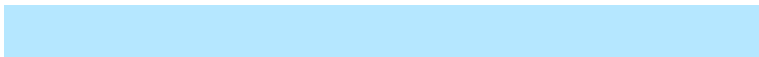
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.5810, 0.3697, 0.3742



75.5810, 0.3276, 0.3843



75.5810, 0.2581, 0.2824



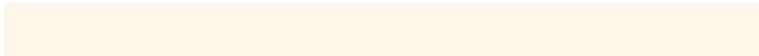
75.5810, 0.2954, 0.2799

# Sweetspot

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



75.5828, 0.3697, 0.3742



92.2929, 0.3272, 0.3415



57.0422, 0.3517, 0.2925



19.4981, 0.3297, 0.3436



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.



75.5828, 0.3697, 0.3742



71.5112, 0.3831, 0.3833



95.1732, 0.3570, 0.4074



19.6652, 0.3280, 0.3422



21.5254, 0.5244, 0.4218

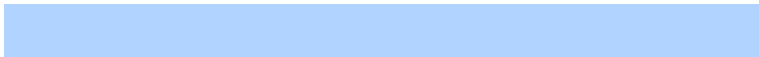


2.3138, 0.5091, 0.4340



# Inverse Universe

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



63.0381, 0.2622, 0.2790



57.2122, 0.2520, 0.2674



47.9688, 0.2600, 0.2381



18.7022, 0.2979, 0.3154



10.2264, 0.1719, 0.1389



1.2093, 0.1780, 0.1607



# Previews

## White Background



This preview shows how the Yxy color 75.5810, 0.3697, 0.3742 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

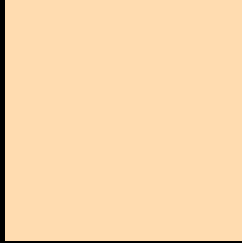
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.5810, 0.3697, 0.3742 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 75.5810, 0.3697, 0.3742**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.5810, 0.3697, 0.3742.



This preview shows how white text looks on a background with the Yxy color 75.5810, 0.3697, 0.3742.

# 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

75.5810, 0.3697, 0.3742

### Protanopia

75.5900, 0.3554, 0.3790

### Deuteranopia

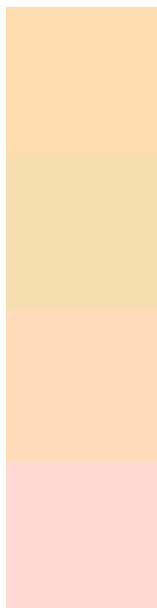
75.6407, 0.3599, 0.3588



## Tritanopia

75.5180, 0.3324, 0.3150

# Trichromacy



## Original Color

75.5810, 0.3697, 0.3742

## Protanomaly

75.3622, 0.3605, 0.3774

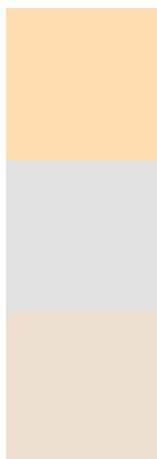
## Deuteranomaly

75.4258, 0.3635, 0.3640

## Tritanomaly

75.5389, 0.3458, 0.3362

# Monochromacy



## Original Color

75.5810, 0.3697, 0.3742

## Achromatopsia

75.2942, 0.3127, 0.3290

## Achromatomaly

75.1132, 0.3328, 0.3460

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.5810, 0.3697, 0.3742 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, 220, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 176)  
}
```

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, 220, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 176) }
```

## Border

The CSS property to change the border of an element to Yxy 75.5810, 0.3697, 0.3742 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, 220, 176) }
```

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

```
.border{ border-color:rgb(255, 220, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 220, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 176);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
176) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.5810, 0.3697, 0.3742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 220, 176) }
```

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

```
.background{ background-color: rgb(255,  
220, 176) }
```

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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