

# Converting Colors

$Y_{xy}(75.3626, 0.3543, 0.3493)$

Have a look what the booklet for  
Yxy(75.3626, 0.3543, 0.3493)  
contains.

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# Color

**Yxy(75.4800, 0.3543, 0.3495)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDAC6
RGB	255, 218, 198
RGB Percent	100%, 85%, 78%
CMY	0.0000, 0.1451, 0.2235
CMYK	0.00, 0.15, 0.22, 0.00
HSL	21°, 100%, 89%
HSV	21°, 22%, 100%
XYZ	76.5166, 75.4800, 63.9690
YIQ	226.7830, 28.4720, 1.6240

# Conversions

## Conversions Part 2

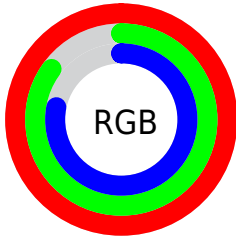
Format	Color
R <sub>Y</sub> B	255, 229, 198
Decimal	16767686
CIE Lab	89.62, 9.88, 14.59
CIE LCh	90, 17.624, 55.887
Yxy	75.4800, 0.3543, 0.3495
Android (android.graphics.Color)	4294957766 (0xFFFFDAC6)
YUV	226.7830, -14.1900, 24.7463
Hunter-Lab	86.8792, 5.1706, 17.1603

# Details

The Yxy color **75.4800, 0.3543, 0.3495** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **78.6571, 0.2778, 0.3075**, and the grayscale version is **76.7353, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.2138, 0.3646, 0.3540** is the 20% darker color. If you saturate the color by 10%, you get **66.2322, 0.3782, 0.3593**, and if you desaturate by 10%, it is **85.7753, 0.3338, 0.3400**.

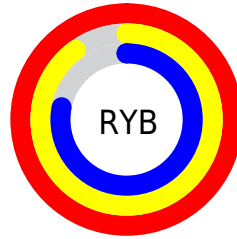
# Distribution



Red (100%)

Green (85%)

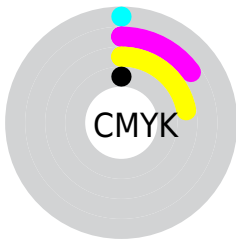
Blue (78%)



Red (100%)

Yellow (90%)

Blue (78%)

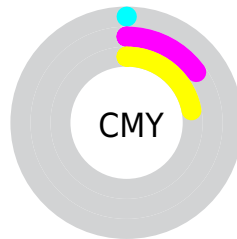


Cyan (0%)

Magenta (15%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (15%)


Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.4800, 0.3543, 0.3495 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 75.4800, 0.3543, 0.3495 by changing the saturation by 10% instead.




 75.4800, 0.3543,  
0.3495

 75.4800, 0.3543,  
0.3495

479.5658, 0.3350,  
0.3404

 56.0062, 0.3587,  
0.3515


126.9916, 0.3476,  
0.3464

 40.2079, 0.3641,  
0.3539


159.7982, 0.3450,  
0.3452

 27.7007, 0.3710,  
0.3569


197.8178, 0.3428,  
0.3441

 18.1002, 0.3799,  
0.3606

241.4349, 0.3408,  
0.3432

 11.0219, 0.3921,  
0.3654

291.0339, 0.3391,  
0.3424

 6.0816, 0.4094,  
0.3718

346.9991, 0.3376,

 2.8947, 0.4360,

0.3416

0.3804

409.7149, 0.3363,  
0.3410

1.0770, 0.5212,  
0.4240

0.0000, 1.0000,  
0.0000

75.4800, 0.3543,  
0.3495

75.4800, 0.3543,  
0.3495

66.2322, 0.3782,  
0.3593

85.7753, 0.3338,  
0.3400

58.0101, 0.4058,  
0.3688

97.1645, 0.3164,  
0.3310

50.7723, 0.4370,  
0.3775

100.0000, 0.3127,  
0.3290

44.4793, 0.4710,  
0.3841

■ 39.0888, 0.5061,  
0.3875

■ 34.5544, 0.5397,  
0.3864

■ 30.8244, 0.5687,  
0.3801

■ 28.4703, 0.5866,  
0.3724

# Harmonies

## Analogous

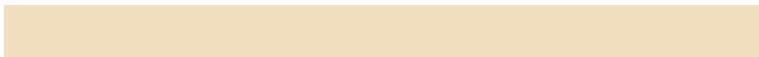
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.4800, 0.3499, 0.3322



75.4800, 0.3543, 0.3495



75.4800, 0.3471, 0.3621

# Triad

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



75.4800, 0.3543, 0.3495



75.4800, 0.2901, 0.3435



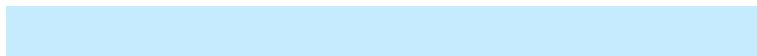
75.4800, 0.2941, 0.2943

# Complementary

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



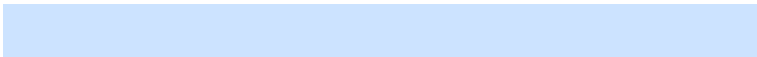
75.4800, 0.3543, 0.3495



78.6571, 0.2778, 0.3075

# 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.



75.4800, 0.2790, 0.2960



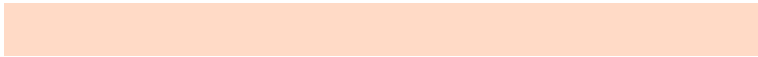
75.4800, 0.3543, 0.3495



75.4800, 0.2768, 0.3239

# Square

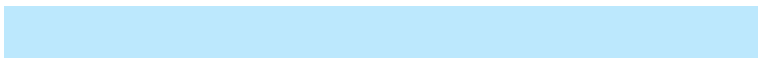
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.4800, 0.3543, 0.3495



75.4800, 0.3097, 0.3593



75.4800, 0.2728, 0.3066



75.4800, 0.3146, 0.3011



# Rectangle

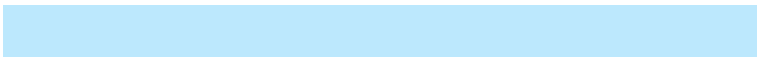
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.4800, 0.3543, 0.3495



75.4800, 0.3369, 0.3659



75.4800, 0.2728, 0.3066



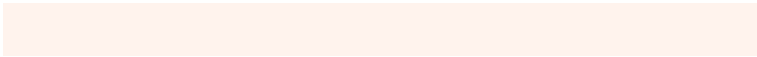
75.4800, 0.2883, 0.2939

# Sweetspot

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



75.4756, 0.3543, 0.3495



91.7286, 0.3241, 0.3351



67.6553, 0.3298, 0.2919



19.4865, 0.3252, 0.3357



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.



75.4756, 0.3543, 0.3495



71.0461, 0.3650, 0.3540



91.5246, 0.3483, 0.3771



19.0286, 0.3286, 0.3374



15.1284, 0.5836, 0.3748

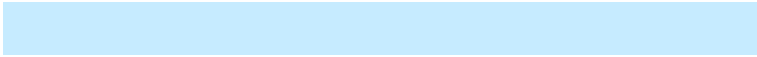


1.6688, 0.5619, 0.3921

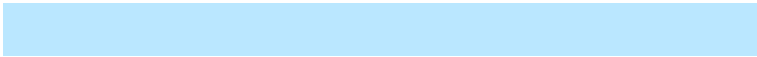


# Inverse Universe

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



78.6571, 0.2778, 0.3075



74.7536, 0.2706, 0.3025



63.6407, 0.2754, 0.2758



19.3467, 0.2980, 0.3205



18.2394, 0.1916, 0.2097

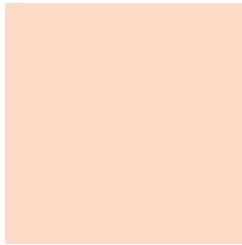


1.9811, 0.1958, 0.2248



# Previews

## White Background



This preview shows how the Yxy color 75.4800, 0.3543, 0.3495 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

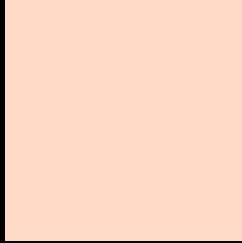
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.4800, 0.3543, 0.3495 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

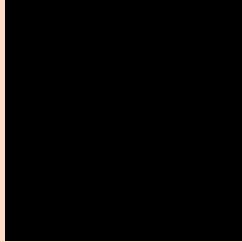
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.4800, 0.3543, 0.3495**

## Background



This preview shows how black text looks on a background with the Yxy color 75.4800, 0.3543, 0.3495.



This preview shows how white text looks on a background with the Yxy color 75.4800, 0.3543, 0.3495.

# 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

75.4800, 0.3543, 0.3495

### Protanopia

75.7296, 0.3359, 0.3546

### Deuteranopia

75.5729, 0.3528, 0.3475



## Tritanopia

75.5180, 0.3324, 0.3150

# Trichromacy



**Original Color**

75.4800, 0.3543, 0.3495

**Protanomaly**

75.2899, 0.3423, 0.3522

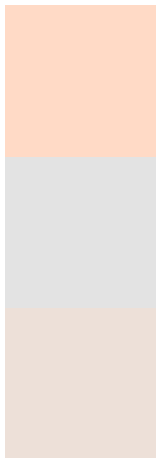
**Deuteranomaly**

75.5263, 0.3535, 0.3485

**Tritanomaly**

75.4337, 0.3401, 0.3271

# Monochromacy



**Original Color**

75.4800, 0.3543, 0.3495

**Achromatopsia**

76.8151, 0.3127, 0.3290

**Achromatomaly**

76.2737, 0.3273, 0.3374

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.4800, 0.3543, 0.3495 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, 218, 198)` looks like.

```
.text, #text, p{  
  color:rgb(255, 218, 198)  
}
```

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, 218, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 218, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 75.4800, 0.3543, 0.3495 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, 218, 198) }
```

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

```
.border{ border-color:rgb(255, 218, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 218, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 218, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 218, 198);  
box-shadow:4px 4px 4px 4px rgb(255, 218,  
198) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.4800, 0.3543, 0.3495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 218, 198) }
```

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

```
.background{ background-color: rgb(255,  
218, 198) }
```

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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