

# Converting Colors

$Y_{xy}(76.1731, 0.3605, 0.3459)$

Have a look what the booklet for  
Yxy(76.1731, 0.3605, 0.3459)  
contains.

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# Color

**Yxy(74.4953, 0.3540, 0.3465)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD8C7
RGB	255, 216, 199
RGB Percent	100%, 85%, 78%
CMY	0.0000, 0.1529, 0.2197
CMYK	0.00, 0.15, 0.22, 0.00
HSL	18°, 100%, 89%
HSV	18°, 22%, 100%
XYZ	76.1078, 74.4953, 64.3906
YIQ	225.7230, 28.7010, 2.9810

# Conversions

## Conversions Part 2

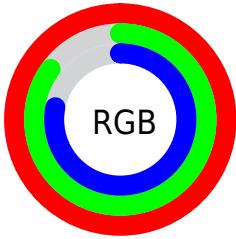
Format	Color
R <sub>Y</sub> B	255, 223, 199
Decimal	16767175
CIE Lab	89.16, 11.04, 13.43
CIE LCh	89, 17.386, 50.570
Yxy	74.4953, 0.3540, 0.3465
Android (android.graphics.Color)	4294957255 (0xFFFFD8C7)
YUV	225.7230, -13.1744, 25.6759
Hunter-Lab	86.3107, 6.3556, 16.1852

# Details

The Yxy color **74.4953, 0.3540, 0.3465** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **80.4997, 0.2786, 0.3108**, and the grayscale version is **75.9227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.5398, 0.3643, 0.3501** is the 20% darker color. If you saturate the color by 10%, you get **64.7976, 0.3785, 0.3550**, and if you desaturate by 10%, it is **85.3745, 0.3333, 0.3383**.

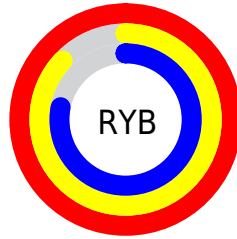
# Distribution



Red (100%)

Green (85%)

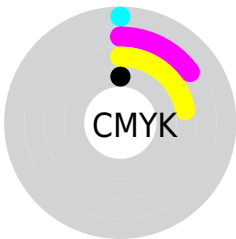
Blue (78%)



Red (100%)

Yellow (87%)

Blue (78%)

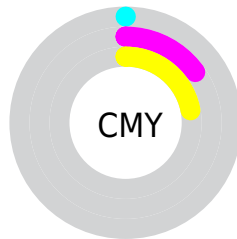


Cyan (0%)

Magenta (15%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (15%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.4953, 0.3540, 0.3465 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 74.4953, 0.3540, 0.3465 by changing the saturation by 10% instead.




 74.4953, 0.3540,  
0.3465

 74.4953, 0.3540,  
0.3465

476.1811, 0.3348,  
0.3388

 55.1995, 0.3584,  
0.3482


125.5977, 0.3473,  
0.3439

 39.5615, 0.3638,  
0.3502


158.1731, 0.3447,  
0.3428

 27.1968, 0.3707,  
0.3527


195.9438, 0.3425,  
0.3419

 17.7211, 0.3797,  
0.3558

239.2942, 0.3406,  
0.3411

 10.7499, 0.3920,  
0.3599

288.6088, 0.3389,  
0.3404

 5.8989, 0.4096,  
0.3652

344.2718, 0.3374,

 2.7837, 0.4368,

0.3398

0.3721

406.6678, 0.3360,  
0.3393

■ 1.0199, 0.5226,  
0.4110

■ 0.0000, 1.0000,  
0.0000

■ 74.4953, 0.3540,  
0.3465

■ 74.4953, 0.3540,  
0.3465

■ 64.7976, 0.3785,  
0.3550

■ 85.3745, 0.3333,  
0.3383

■ 56.2402, 0.4070,  
0.3633

■ 97.4738, 0.3158,  
0.3305

■ 48.7797, 0.4396,  
0.3708

100.0000, 0.3127,  
0.3290

■ 42.3698, 0.4755,  
0.3764

■ 36.9604, 0.5129,  
0.3790

■ 32.4972, 0.5487,  
0.3774

■ 28.9193, 0.5793,  
0.3709

■ 26.6330, 0.5986,  
0.3629

# Harmonies

## Analogous

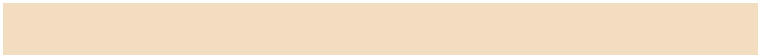
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.4953, 0.3477, 0.3291



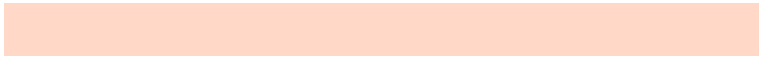
74.4953, 0.3540, 0.3465



74.4953, 0.3488, 0.3601

# Triad

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



74.4953, 0.3540, 0.3465



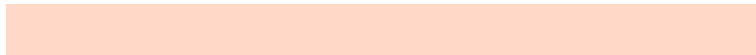
74.4953, 0.2935, 0.3466



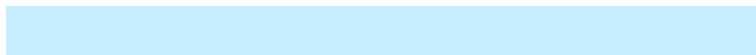
74.4953, 0.2911, 0.2942

# Complementary

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



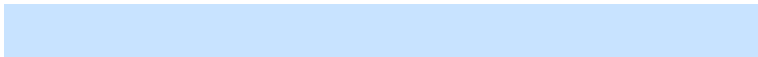
74.4953, 0.3540, 0.3465



80.4997, 0.2786, 0.3108

# 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.



74.4953, 0.2775, 0.2976



74.4953, 0.3540, 0.3465



74.4953, 0.2788, 0.3274

# Square

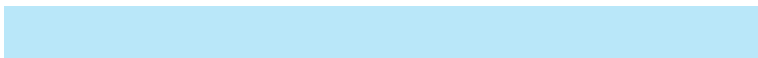
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.4953, 0.3540, 0.3465



74.4953, 0.3135, 0.3610



74.4953, 0.2731, 0.3094



74.4953, 0.3108, 0.2996

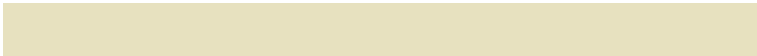


# Rectangle

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



74.4953, 0.3540, 0.3465



74.4953, 0.3397, 0.3650



74.4953, 0.2731, 0.3094



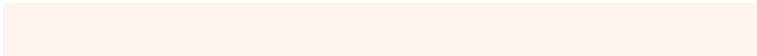
74.4953, 0.2857, 0.2943

# Sweetspot

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



74.4954, 0.3540, 0.3465



91.2288, 0.3242, 0.3343



68.2846, 0.3274, 0.2899



19.3710, 0.3253, 0.3348



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.



74.4954, 0.3540, 0.3465



70.4440, 0.3634, 0.3499



89.9621, 0.3482, 0.3736



18.8867, 0.3287, 0.3363



14.1449, 0.5956, 0.3653

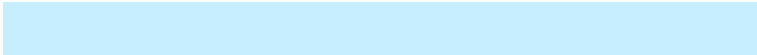


1.5599, 0.5736, 0.3828

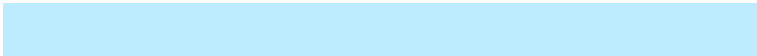


# Inverse Universe

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



80.4997, 0.2786, 0.3108



77.3365, 0.2725, 0.3070



65.5463, 0.2764, 0.2800



19.4952, 0.2980, 0.3216



20.5892, 0.1963, 0.2265

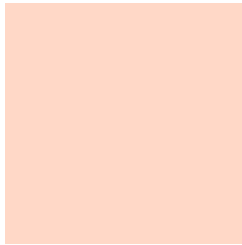


2.1974, 0.1999, 0.2396



# Previews

## White Background



This preview shows how the Yxy color 74.4953, 0.3540, 0.3465 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 74.4953, 0.3540, 0.3465 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

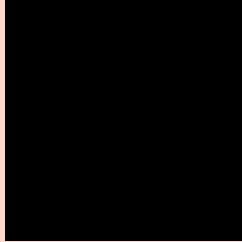
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.4953, 0.3540, 0.3465**

## Background



This preview shows how black text looks on a background with the Yxy color 74.4953, 0.3540, 0.3465.

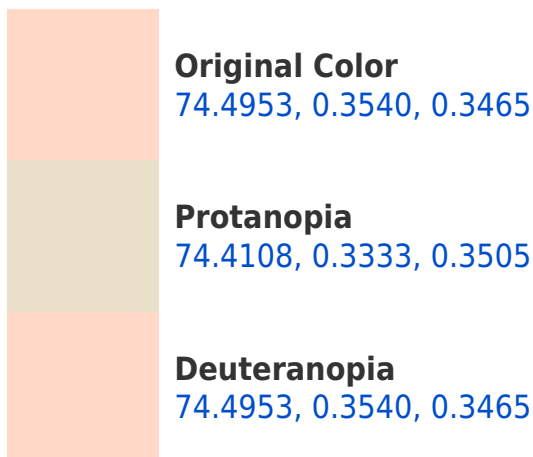


This preview shows how white text looks on a background with the Yxy color 74.4953, 0.3540, 0.3465.

# 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

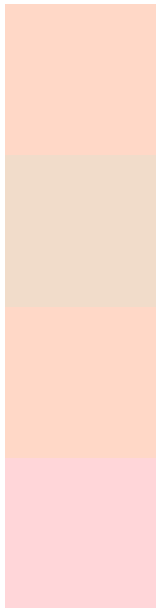




## Tritanopia

74.4499, 0.3334, 0.3140

# Trichromacy



**Original Color**

74.4953, 0.3540, 0.3465

**Protanomaly**

74.1514, 0.3404, 0.3481

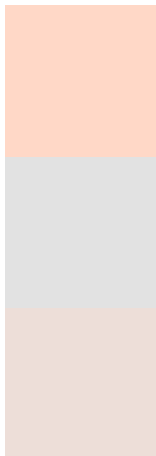
**Deuteranomaly**

74.4953, 0.3540, 0.3465

**Tritanomaly**

74.3629, 0.3412, 0.3261

# Monochromacy



**Original Color**

74.4953, 0.3540, 0.3465

**Achromatopsia**

76.0525, 0.3127, 0.3290

**Achromatomaly**

75.2049, 0.3275, 0.3354

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.4953, 0.3540, 0.3465 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, 216, 199)` looks like.

```
.text, #text, p{  
    color:rgb(255, 216, 199)  
}
```

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, 216, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 216, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 74.4953, 0.3540, 0.3465 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, 216, 199) }
```

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

```
.border{ border-color:rgb(255, 216, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 216, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 216, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 216, 199);  
box-shadow:4px 4px 4px 4px rgb(255, 216,  
199) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.4953, 0.3540, 0.3465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 216, 199) }
```

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

```
.background{ background-color: rgb(255,  
216, 199) }
```

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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