

# Converting Colors

$Y_{xy}(74.5931, 0.3504, 0.3411)$

Have a look what the booklet for  
Yxy(74.5931, 0.3504, 0.3411)  
contains.

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# Color

**Yxy(74.7314, 0.3503, 0.3413)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFD8CC
RGB	255, 216, 204
RGB Percent	100%, 85%, 80%
CMY	0.0000, 0.1529, 0.1999
CMYK	0.00, 0.15, 0.20, 0.00
HSL	14°, 100%, 90%
HSV	14°, 20%, 100%
XYZ	76.7020, 74.7314, 67.5276
YIQ	226.2930, 27.0960, 4.5360

# Conversions

## Conversions Part 2

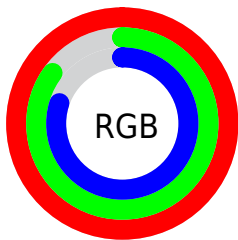
Format	Color
R <sub>Y</sub> B	255, 220, 204
Decimal	16767180
CIE Lab	89.27, 11.77, 10.94
CIE LCh	89, 16.067, 42.901
Yxy	74.7314, 0.3503, 0.3413
Android (android.graphics.Color)	4294957260 (0xFFFFD8CC)
YUV	226.2930, -10.9904, 25.1760
Hunter-Lab	86.4473, 7.0947, 14.1993

# Details

The Yxy color **74.7314, 0.3503, 0.3413** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **84.1833, 0.2819, 0.3164**, and the grayscale version is **76.3434, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.6975, 0.3594, 0.3435** is the 20% darker color. If you saturate the color by 10%, you get **64.1946, 0.3749, 0.3479**, and if you desaturate by 10%, it is **86.6566, 0.3298, 0.3349**.

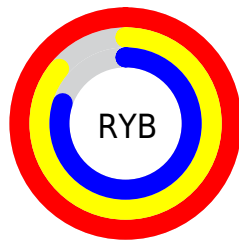
# Distribution



Red (100%)

Green (85%)

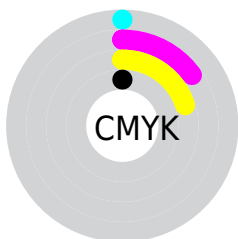
Blue (80%)



Red (100%)

Yellow (86%)

Blue (80%)

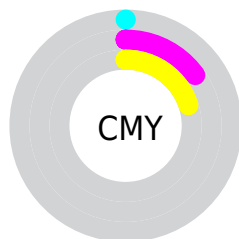


Cyan (0%)

Magenta (15%)

Yellow (20%)

Black (0%)



Cyan (0%)

Magenta (15%)


Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.7314, 0.3503, 0.3413 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 74.7314, 0.3503, 0.3413 by changing the saturation by 10% instead.




 74.7314, 0.3503,  
0.3413

 74.7314, 0.3503,  
0.3413


476.9939, 0.3329,  
0.3359

 55.3929, 0.3543,  
0.3425


125.9321, 0.3442,  
0.3395

 39.7164, 0.3592,  
0.3439


158.5630, 0.3419,  
0.3388

 27.3175, 0.3655,  
0.3456


196.3935, 0.3399,  
0.3381

 17.8118, 0.3737,  
0.3477

239.8080, 0.3381,  
0.3376

 10.8149, 0.3849,  
0.3504

289.1909, 0.3365,  
0.3371

 5.9425, 0.4010,  
0.3539

344.9266, 0.3352,

 2.8102, 0.4262,

0.3367

0.3585

407.3994, 0.3339,  
0.3363

1.0334, 0.4909,  
0.3796

0.0000, 1.0000,  
0.0000

74.7314, 0.3503,  
0.3413

74.7314, 0.3503,  
0.3413

64.1946, 0.3749,  
0.3479

86.6566, 0.3298,  
0.3349

54.9939, 0.4041,  
0.3544

100.0000, 0.3127,  
0.3290

47.0755, 0.4381,  
0.3603

40.3811, 0.4763,  
0.3648

■ 34.8480, 0.5167,  
0.3668

■ 30.4075, 0.5560,  
0.3652

■ 26.9831, 0.5895,  
0.3595

■ 24.4805, 0.6139,  
0.3507

■ 24.4779, 0.6139,  
0.3507

# Harmonies

## Analogous

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



74.7314, 0.3419, 0.3249



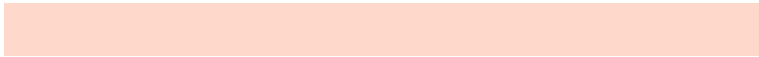
74.7314, 0.3503, 0.3413



74.7314, 0.3482, 0.3552

# Triad

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



74.7314, 0.3503, 0.3413



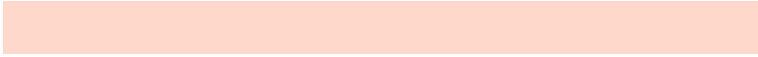
74.7314, 0.2994, 0.3493



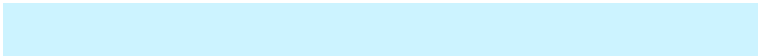
74.7314, 0.2889, 0.2968

# Complementary

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



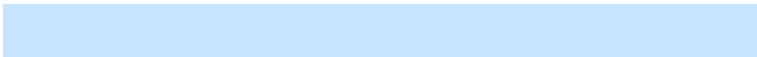
74.7314, 0.3503, 0.3413



84.1833, 0.2819, 0.3164

# 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.



74.7314, 0.2782, 0.3021



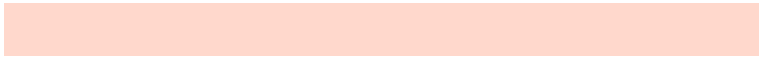
74.7314, 0.3503, 0.3413



74.7314, 0.2842, 0.3322

# Square

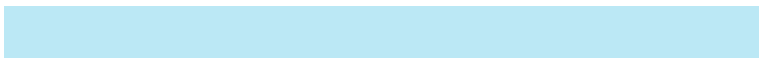
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.7314, 0.3503, 0.3413



74.7314, 0.3185, 0.3605



74.7314, 0.2766, 0.3148

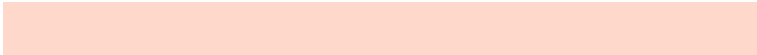


74.7314, 0.3061, 0.2998

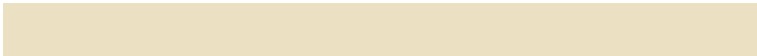


# Rectangle

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



74.7314, 0.3503, 0.3413



74.7314, 0.3413, 0.3610



74.7314, 0.2766, 0.3148



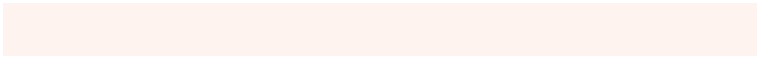
74.7314, 0.2844, 0.2977

# Sweetspot

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



74.7317, 0.3503, 0.3413



91.8096, 0.3226, 0.3325



70.9383, 0.3234, 0.2903



19.4670, 0.3237, 0.3329



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

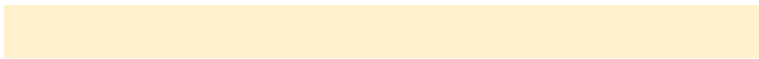
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.7317, 0.3503, 0.3413



70.3399, 0.3596, 0.3439



88.7738, 0.3454, 0.3663



18.6791, 0.3289, 0.3346



12.9780, 0.6113, 0.3528

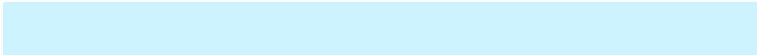


1.4223, 0.5899, 0.3698

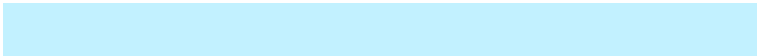


# Inverse Universe

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



84.1833, 0.2819, 0.3164



81.3557, 0.2759, 0.3135



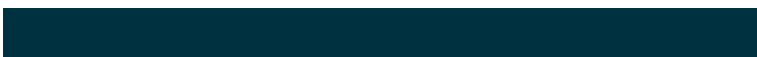
70.0094, 0.2802, 0.2887



19.7159, 0.2980, 0.3233



24.4382, 0.2031, 0.2511

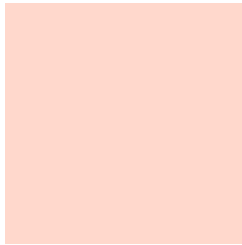


2.5458, 0.2059, 0.2611



# Previews

## White Background



This preview shows how the Yxy color 74.7314, 0.3503, 0.3413 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

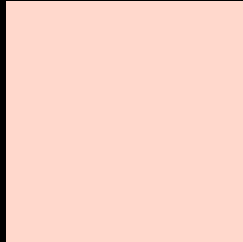
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.7314, 0.3503, 0.3413 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

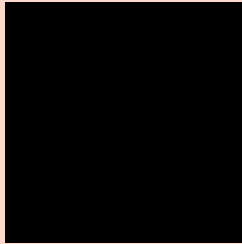
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

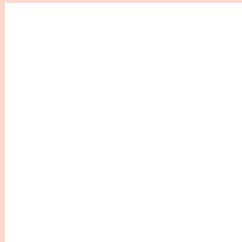
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.7314, 0.3503, 0.3413**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.7314, 0.3503, 0.3413.



This preview shows how white text looks on a background with the Yxy color 74.7314, 0.3503, 0.3413.

# 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

74.7314, 0.3503, 0.3413

### Protanopia

75.0212, 0.3291, 0.3461

### Deuteranopia

74.5422, 0.3495, 0.3414



## Tritanopia

74.9546, 0.3332, 0.3150

# Trichromacy



## Original Color

74.7314, 0.3503, 0.3413

## Protanomaly

74.7432, 0.3360, 0.3438

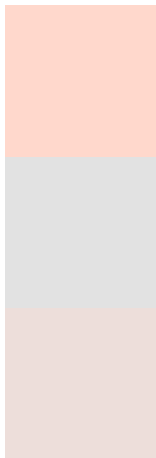
## Deuteranomaly

74.5422, 0.3495, 0.3414

## Tritanomaly

74.9754, 0.3396, 0.3250

# Monochromacy



## Original Color

74.7314, 0.3503, 0.3413

## Achromatopsia

76.0525, 0.3127, 0.3290

## Achromatomaly

75.3090, 0.3261, 0.3332

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.7314, 0.3503, 0.3413 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, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 216, 204)  
}
```

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, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 216, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 74.7314, 0.3503, 0.3413 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, 204) }
```

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

```
.border{ border-color:rgb(255, 216, 204) }
```

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, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 216, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 216, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 216,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.7314, 0.3503, 0.3413 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, 204) }
```

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

```
.background{ background-color: rgb(255,  
216, 204) }
```

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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