

# Converting Colors

$Y_{xy}(93.5754, 0.4130, 0.3458)$

Have a look what the booklet for  
Yxy(93.5754, 0.4130, 0.3458)  
contains.

<b>Yxy(75.4340, 0.3550, 0.3506)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# **Color**

**Yxy(75.4340, 0.3550, 0.3506)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDAC5
RGB	255, 218, 197
RGB Percent	100%, 85%, 77%
CMY	0.0001, 0.1450, 0.2275
CMYK	0.00, 0.14, 0.23, 0.00
HSL	22°, 100%, 89%
HSV	22°, 23%, 100%
XYZ	76.3807, 75.4340, 63.3422
YIQ	226.6690, 28.7930, 1.3130

# Conversions

## Conversions Part 2

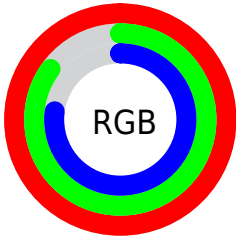
Format	Color
R <sub>Y</sub> B	255, 230, 197
Decimal	16767685
CIE Lab	89.60, 9.70, 15.10
CIE LCh	90, 17.951, 57.287
Yxy	75.4340, 0.3550, 0.3506
Android (android.graphics.Color)	4294957765 (0xFFFFDAC5)
YUV	226.6690, -14.6268, 24.8463
Hunter-Lab	86.8527, 4.9855, 17.5564

# Details

The Yxy color **75.4340, 0.3550, 0.3506** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **77.8947, 0.2771, 0.3063**, and the grayscale version is **76.6550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.9358, 0.3133, 0.3300**, and **40.1833, 0.3656, 0.3553** is the 20% darker color. If you saturate the color by 10%, you get **66.3470, 0.3789, 0.3607**, and if you desaturate by 10%, it is **85.5516, 0.3345, 0.3408**.

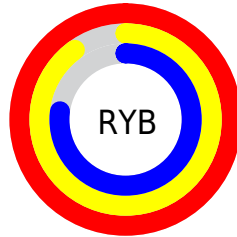
# Distribution



Red (100%)

Green (85%)

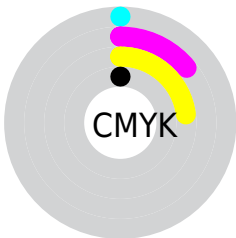
Blue (77%)



Red (100%)

Yellow (90%)

Blue (77%)

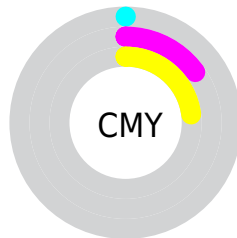


Cyan (0%)

Magenta (14%)

Yellow (23%)

Black (0%)



Cyan (0%)

Magenta (15%)


Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.4340, 0.3550, 0.3506 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 75.4340, 0.3550, 0.3506 by changing the saturation by 10% instead.




 75.4340, 0.3550,  
0.3506

 75.4340, 0.3550,  
0.3506


479.4080, 0.3354,  
0.3410

 55.9685, 0.3595,  
0.3527


126.9265, 0.3482,  
0.3473

 40.1777, 0.3650,  
0.3552


159.7223, 0.3456,  
0.3461

 27.6771, 0.3720,  
0.3584


197.7304, 0.3433,  
0.3449

 18.0824, 0.3811,  
0.3623

241.3351, 0.3413,  
0.3440

 11.0092, 0.3934,  
0.3674

290.9208, 0.3396,  
0.3431

 6.0730, 0.4110,  
0.3742

346.8719, 0.3380,

 2.8895, 0.4379,

0.3423

0.3833

409.5728, 0.3366,  
0.3416

1.0743, 0.5281,  
0.4315

0.0000, 1.0000,  
0.0000

75.4340, 0.3550,  
0.3506

75.4340, 0.3550,  
0.3506

66.3470, 0.3789,  
0.3607

85.5516, 0.3345,  
0.3408

58.2469, 0.4064,  
0.3706

96.7215, 0.3170,  
0.3314

51.1013, 0.4373,  
0.3794

99.9957, 0.3127,  
0.3290

44.8725, 0.4708,  
0.3863

■ 39.5197, 0.5053,  
0.3898

■ 34.9982, 0.5382,  
0.3887

■ 31.2585, 0.5665,  
0.3823

■ 28.9967, 0.5833,  
0.3750

# Harmonies

## Analogous

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



75.4340, 0.3511, 0.3331



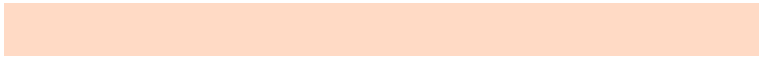
75.4340, 0.3550, 0.3506



75.4340, 0.3471, 0.3632

# Triad

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



75.4340, 0.3550, 0.3506



75.4340, 0.2889, 0.3429



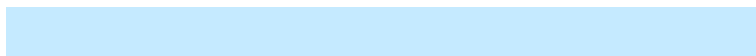
75.4340, 0.2947, 0.2938

# Complementary

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



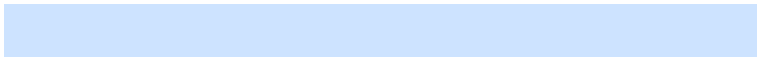
75.4340, 0.3550, 0.3506



77.8947, 0.2771, 0.3063

# 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.



75.4340, 0.2789, 0.2951



75.4340, 0.3550, 0.3506



75.4340, 0.2757, 0.3229

# Square

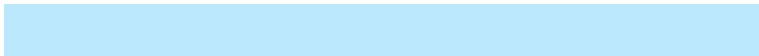
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.4340, 0.3550, 0.3506



75.4340, 0.3087, 0.3593



75.4340, 0.2721, 0.3054

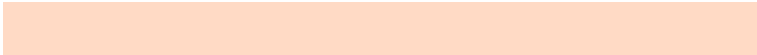


75.4340, 0.3157, 0.3012



# Rectangle

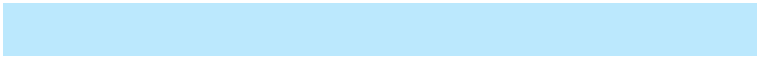
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.4340, 0.3550, 0.3506



75.4340, 0.3365, 0.3667



75.4340, 0.2721, 0.3054



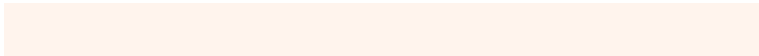
75.4340, 0.2886, 0.2932

# Sweetspot

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



75.4374, 0.3550, 0.3506



91.8594, 0.3241, 0.3353



67.1566, 0.3302, 0.2912



19.5168, 0.3252, 0.3359



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.



75.4374, 0.3550, 0.3506



71.4632, 0.3647, 0.3549



91.3660, 0.3490, 0.3780



19.0657, 0.3285, 0.3377



15.4120, 0.5804, 0.3774

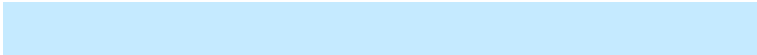


1.6995, 0.5588, 0.3945

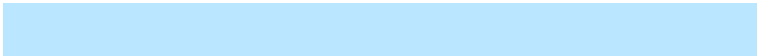


# Inverse Universe

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



77.8947, 0.2771, 0.3063



74.2844, 0.2705, 0.3015



63.0723, 0.2747, 0.2747



19.3081, 0.2980, 0.3202



17.6597, 0.1904, 0.2053

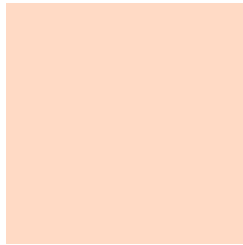


1.9273, 0.1947, 0.2210



# Previews

## White Background



This preview shows how the Yxy color 75.4340, 0.3550, 0.3506 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

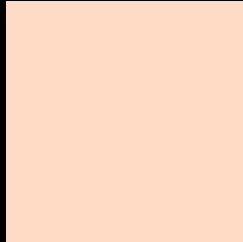
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.4340, 0.3550, 0.3506 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 75.4340, 0.3550, 0.3506**

## Background



This preview shows how black text looks on a background with the Yxy color 75.4340, 0.3550, 0.3506.



This preview shows how white text looks on a background with the Yxy color 75.4340, 0.3550, 0.3506.

# 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

75.4340, 0.3550, 0.3506

### Protanopia

75.6827, 0.3366, 0.3557

### Deuteranopia

75.5729, 0.3528, 0.3475



## Tritanopia

75.5180, 0.3324, 0.3150

# Trichromacy



**Original Color**

75.4340, 0.3550, 0.3506

**Protanomaly**

75.2433, 0.3430, 0.3533

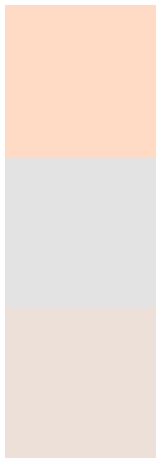
**Deuteranomaly**

75.5263, 0.3535, 0.3485

**Tritanomaly**

75.3815, 0.3409, 0.3281

# Monochromacy



**Original Color**

75.4340, 0.3550, 0.3506

**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 75.4340, 0.3550, 0.3506 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, 197)` looks like.

```
.text, #text, p{  
    color:rgb(255, 218, 197)  
}
```

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, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 218, 197) }
```

## Border

The CSS property to change the border of an element to Yxy 75.4340, 0.3550, 0.3506 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, 197) }
```

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

```
.border{ border-color:rgb(255, 218, 197) }
```

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, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 218, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 218, 197);  
box-shadow:4px 4px 4px 4px rgb(255, 218,  
197) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.4340, 0.3550, 0.3506 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, 197) }
```

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

```
.background{ background-color: rgb(255,  
218, 197) }
```

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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