

# Converting Colors

$Y_{xy}(85.8909, 0.4013, 0.3536)$

Have a look what the booklet for  
Yxy(85.8909, 0.4013, 0.3536)  
contains.

<b>Yxy(74.5598, 0.3611, 0.3578)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# **Color**

**Yxy(74.5598, 0.3611, 0.3578)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD9BD
RGB	255, 217, 189
RGB Percent	100%, 85%, 74%
CMY	0.0000, 0.1490, 0.2588
CMYK	0.00, 0.15, 0.26, 0.00
HSL	25°, 100%, 87%
HSV	25°, 26%, 100%
XYZ	75.2475, 74.5598, 58.5767
YIQ	225.1700, 31.6360, -0.6520

# Conversions

## Conversions Part 2

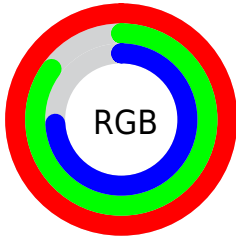
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 238, 189
Decimal	16767421
CIE Lab	89.19, 9.16, 18.69
CIE LCh	89, 20.816, 63.906
Yxy	74.5598, 0.3611, 0.3578
Android (android.graphics.Color)	4294957501 (0xFFFFD9BD)
YUV	225.1700, -17.8318, 26.1609
Hunter-Lab	86.3480, 4.4437, 20.2225

# Details

The Yxy color **74.5598, 0.3611, 0.3578** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **72.9898, 0.2718, 0.2983**, and the grayscale version is **75.5349, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3726, 0.3185, 0.3386**, and **39.4886, 0.3717, 0.3634** is the 20% darker color. If you saturate the color by 10%, you get **66.3080, 0.3850, 0.3695**, and if you desaturate by 10%, it is **83.6754, 0.3402, 0.3462**.

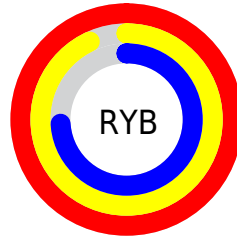
# Distribution



Red (100%)

Green (85%)

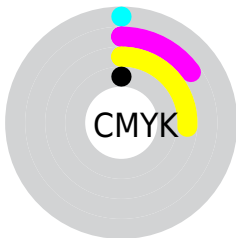
Blue (74%)



Red (100%)

Yellow (93%)

Blue (74%)

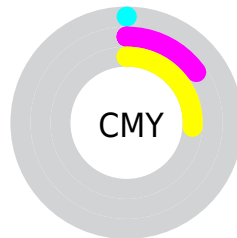


Cyan (0%)

Magenta (15%)

Yellow (26%)

Black (0%)



Cyan (0%)

Magenta (15%)


Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.5598, 0.3611, 0.3578 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 74.5598, 0.3611, 0.3578 by changing the saturation by 10% instead.




 74.5598, 0.3611,  
0.3578

 74.5598, 0.3611,  
0.3578


476.4032, 0.3387,  
0.3449

 55.2523, 0.3662,  
0.3606

 125.6890, 0.3533,  
0.3534

 39.6038, 0.3725,  
0.3640


158.2796, 0.3503,  
0.3517

 27.2298, 0.3805,  
0.3682


196.0667, 0.3477,  
0.3502

 17.7459, 0.3909,  
0.3735

239.4346, 0.3454,  
0.3489

 10.7677, 0.4048,  
0.3803

288.7679, 0.3434,  
0.3477

 5.9108, 0.4246,  
0.3893

344.4508, 0.3417,

 2.7909, 0.4544,

0.3467

0.4010

406.8677, 0.3401,  
0.3458

1.0236, 0.5479,  
0.4521

0.0000, 1.0000,  
0.0000

74.5598, 0.3611,  
0.3578

74.5598, 0.3611,  
0.3578

66.3080, 0.3850,  
0.3695

83.6754, 0.3402,  
0.3462

58.8995, 0.4120,  
0.3808

93.6881, 0.3221,  
0.3352

52.3025, 0.4416,  
0.3907

100.0000, 0.3127,  
0.3290

46.4858, 0.4729,  
0.3980

■ 41.4153, 0.5041,  
0.4015

■ 37.0539, 0.5330,  
0.3999

■ 33.3591, 0.5573,  
0.3927

■ 32.0120, 0.5661,  
0.3887

# Harmonies

## Analogous

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



74.5598, 0.3597, 0.3383



74.5598, 0.3611, 0.3578



74.5598, 0.3490, 0.3707

# Triad

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



74.5598, 0.3611, 0.3578



74.5598, 0.2808, 0.3401



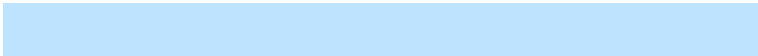
74.5598, 0.2967, 0.2894

# Complementary

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



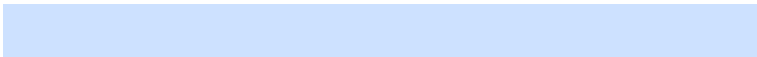
74.5598, 0.3611, 0.3578



72.9898, 0.2718, 0.2983

# 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.



74.5598, 0.2767, 0.2885



74.5598, 0.3611, 0.3578



74.5598, 0.2679, 0.3167

# Square

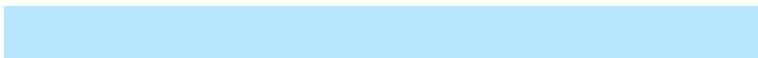
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.5598, 0.3611, 0.3578



74.5598, 0.3024, 0.3610



74.5598, 0.2664, 0.2980



74.5598, 0.3217, 0.2998



# Rectangle

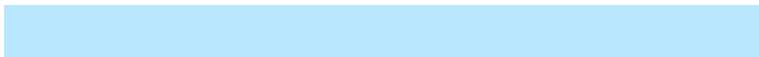
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.5598, 0.3611, 0.3578



74.5598, 0.3353, 0.3732



74.5598, 0.2664, 0.2980



74.5598, 0.2892, 0.2879

# Sweetspot

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



74.5574, 0.3611, 0.3578



91.4861, 0.3257, 0.3375



63.2354, 0.3366, 0.2901



19.2532, 0.3284, 0.3391



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.



74.5574, 0.3611, 0.3578



70.2243, 0.3730, 0.3638



92.9964, 0.3532, 0.3889



19.2532, 0.3284, 0.3391



17.0079, 0.5632, 0.3910

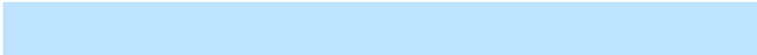


1.8670, 0.5430, 0.4070

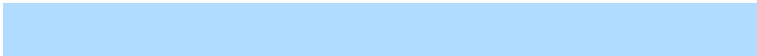


# Inverse Universe

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



72.9898, 0.2718, 0.2983



68.4113, 0.2636, 0.2913



56.8530, 0.2683, 0.2610



19.1154, 0.2979, 0.3187



14.9578, 0.1843, 0.1835

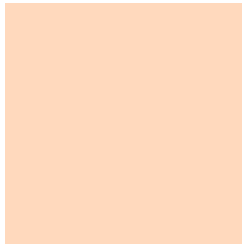


1.6730, 0.1894, 0.2016



# Previews

## White Background



This preview shows how the Yxy color 74.5598, 0.3611, 0.3578 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

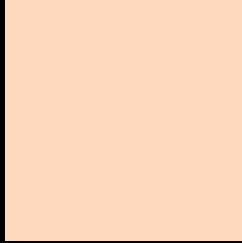
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.5598, 0.3611, 0.3578 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

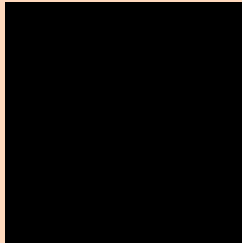
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.5598, 0.3611, 0.3578**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.5598, 0.3611, 0.3578.



This preview shows how white text looks on a background with the Yxy color 74.5598, 0.3611, 0.3578.

# 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

74.5598, 0.3611, 0.3578

### Protanopia

74.9499, 0.3430, 0.3633

### Deuteranopia

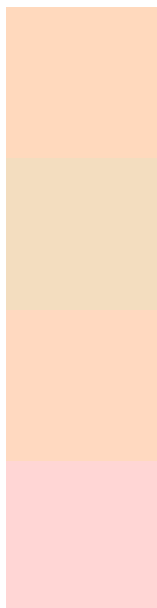
74.7360, 0.3582, 0.3537



## Tritanopia

74.3946, 0.3341, 0.3150

# Trichromacy



## Original Color

74.5598, 0.3611, 0.3578

## Protanomaly

74.5292, 0.3495, 0.3607

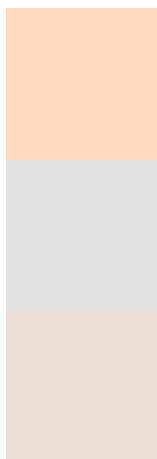
## Deuteranomaly

74.6915, 0.3589, 0.3547

## Tritanomaly

74.1572, 0.3441, 0.3301

# Monochromacy



## Original Color

74.5598, 0.3611, 0.3578

## Achromatopsia

75.2942, 0.3127, 0.3290

## Achromatomaly

74.8289, 0.3295, 0.3396

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.5598, 0.3611, 0.3578 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, 217, 189)` looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 189)  
}
```

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, 217, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 74.5598, 0.3611, 0.3578 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, 217, 189) }
```

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

```
.border{ border-color:rgb(255, 217, 189) }
```

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

Here you see how a box with a 4 pixel rgb(255, 217, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 217, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 217, 189);  
box-shadow:4px 4px 4px 4px rgb(255, 217,  
189) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.5598, 0.3611, 0.3578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 217, 189) }
```

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

```
.background{ background-color: rgb(255,  
217, 189) }
```

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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