

# Converting Colors

$Y_{xy}(76.3485, 0.3614, 0.3630)$

Have a look what the booklet for  
Yxy(76.3485, 0.3614, 0.3630)  
contains.

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# **Color**

**Yxy(76.5608, 0.3615, 0.3639)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDDBB
RGB	255, 221, 187
RGB Percent	100%, 87%, 73%
CMY	0.0001, 0.1333, 0.2667
CMYK	0.00, 0.13, 0.27, 0.00
HSL	30°, 100%, 87%
HSV	30°, 27%, 100%
XYZ	76.0559, 76.5608, 57.7730
YIQ	227.2900, 31.1780, -3.3660

# Conversions

## Conversions Part 2

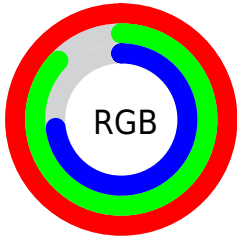
Format	Color
R <sub>Y</sub> B	255, 255, 187
Decimal	16768443
CIE Lab	90.12, 6.79, 21.05
CIE LCh	90, 22.117, 72.131
Yxy	76.5608, 0.3615, 0.3639
Android (android.graphics.Color)	4294958523 (0xFFFFDDBB)
YUV	227.2900, -19.8630, 24.3017
Hunter-Lab	87.4990, 2.0324, 22.1019

# Details

The Yxy color **76.5608, 0.3615, 0.3639** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **69.4584, 0.2700, 0.2913**, and the grayscale version is **77.1676, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2511, 0.3197, 0.3405**, and **40.8640, 0.3720, 0.3711** is the 20% darker color. If you saturate the color by 10%, you get **69.0963, 0.3843, 0.3776**, and if you desaturate by 10%, it is **84.7361, 0.3412, 0.3503**.

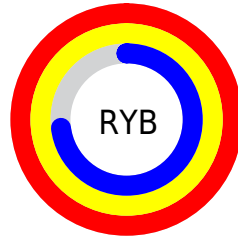
# Distribution



Red (100%)

Green (87%)

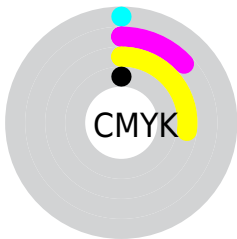
Blue (73%)



Red (100%)

Yellow (100%)

Blue (73%)

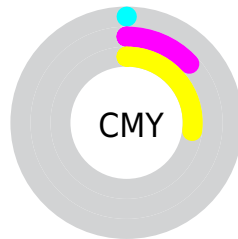


Cyan (0%)

Magenta (13%)

Yellow (27%)

Black (0%)



Cyan (0%)

Magenta (13%)


Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.5608, 0.3615, 0.3639 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 76.5608, 0.3615, 0.3639 by changing the saturation by 10% instead.





 76.5608, 0.3615,  
0.3639

 76.5608, 0.3615,  
0.3639

483.2653, 0.3390,  
0.3483

 56.8925, 0.3666,  
0.3673


 128.5193, 0.3537,  
0.3586

 40.9189, 0.3728,  
0.3715


161.5783, 0.3507,  
0.3565

 28.2557, 0.3807,  
0.3766


199.8696, 0.3481,  
0.3547

 18.5185, 0.3908,  
0.3831

243.7777, 0.3458,  
0.3531

 11.3229, 0.4043,  
0.3915

293.6869, 0.3438,  
0.3517

 6.2845, 0.4232,  
0.4026

349.9816, 0.3421,

 3.0188, 0.4508,

0.3504

0.4173

413.0463, 0.3405,  
0.3493

■ 1.1416, 0.5312,  
0.4688

■ 0.0132, 0.9311,  
0.0689

■ 76.5608, 0.3615,  
0.3639

■ 76.5608, 0.3615,  
0.3639

■ 69.0963, 0.3843,  
0.3776

■ 84.7361, 0.3412,  
0.3503

■ 62.3106, 0.4095,  
0.3907

■ 93.6320, 0.3233,  
0.3373

■ 56.1844, 0.4365,  
0.4022

99.9940, 0.3127,  
0.3290

■ 50.6931, 0.4643,  
0.4111

■ 45.8102, 0.4916,  
0.4159

■ 41.5061, 0.5164,  
0.4155

■ 37.7463, 0.5371,  
0.4095

■ 36.6000, 0.5434,  
0.4067

# Harmonies

## Analogous

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



76.5608, 0.3641, 0.3447



76.5608, 0.3615, 0.3639



76.5608, 0.3454, 0.3748

# Triad

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



76.5608, 0.3615, 0.3639



76.5608, 0.2744, 0.3338



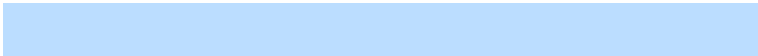
76.5608, 0.3028, 0.2895

# Complementary

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



76.5608, 0.3615, 0.3639



69.4584, 0.2700, 0.2913

# Split Complementary

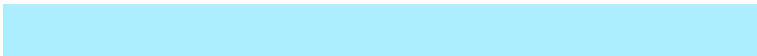
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.5608, 0.2798, 0.2855



76.5608, 0.3615, 0.3639



76.5608, 0.2639, 0.3098

# Square

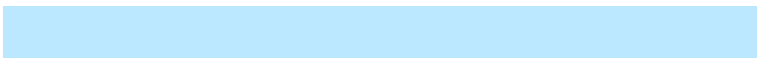
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.5608, 0.3615, 0.3639



76.5608, 0.2950, 0.3575



76.5608, 0.2659, 0.2925



76.5608, 0.3294, 0.3028



# Rectangle

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



76.5608, 0.3615, 0.3639



76.5608, 0.3296, 0.3750



76.5608, 0.2659, 0.2925



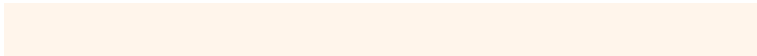
76.5608, 0.2944, 0.2870

# Sweetspot

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



76.5643, 0.3615, 0.3639



92.4267, 0.3256, 0.3390



62.0072, 0.3421, 0.2944



19.4897, 0.3282, 0.3409



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.



76.5643, 0.3615, 0.3639



72.5133, 0.3734, 0.3712



96.3410, 0.3532, 0.3959



19.4897, 0.3282, 0.3409



19.4283, 0.5409, 0.4087

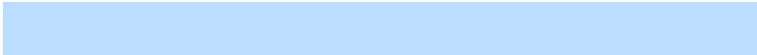


2.1101, 0.5233, 0.4227

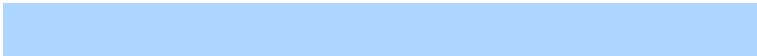


# Inverse Universe

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



69.4584, 0.2700, 0.2913



64.3182, 0.2612, 0.2825



53.3148, 0.2662, 0.2521



18.8765, 0.2979, 0.3168



12.0481, 0.1770, 0.1572



1.3915, 0.1827, 0.1777



# Previews

## White Background



This preview shows how the Yxy color 76.5608, 0.3615, 0.3639 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

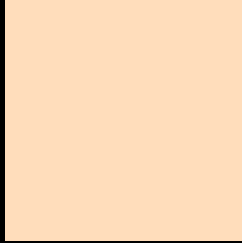
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.5608, 0.3615, 0.3639 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

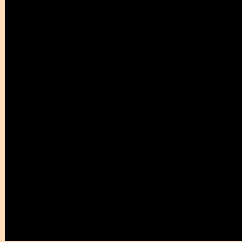
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 76.5608, 0.3615, 0.3639**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.5608, 0.3615, 0.3639.



This preview shows how white text looks on a background with the Yxy color 76.5608, 0.3615, 0.3639.

# 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

76.5608, 0.3615, 0.3639

### Protanopia

76.4611, 0.3462, 0.3672

### Deuteranopia

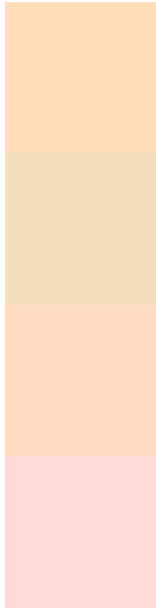
76.4776, 0.3546, 0.3526



## Tritanopia

76.6552, 0.3308, 0.3151

# Trichromacy



**Original Color**

76.5608, 0.3615, 0.3639

**Protanomaly**

76.3979, 0.3518, 0.3657

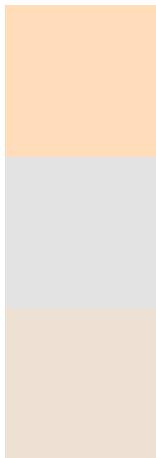
**Deuteranomaly**

76.2967, 0.3574, 0.3567

**Tritanomaly**

76.3091, 0.3420, 0.3321

# Monochromacy



**Original Color**

76.5608, 0.3615, 0.3639

**Achromatopsia**

76.8151, 0.3127, 0.3290

**Achromatomaly**

76.6084, 0.3299, 0.3427

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.5608, 0.3615, 0.3639 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, 221, 187)` looks like.

```
.text, #text, p{  
    color:rgb(255, 221, 187)  
}
```

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, 221, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 221, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 76.5608, 0.3615, 0.3639 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, 221, 187) }
```

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

```
.border{ border-color:rgb(255, 221, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 221, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 221, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 221, 187);  
box-shadow:4px 4px 4px 4px rgb(255, 221,  
187) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.5608, 0.3615, 0.3639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 221, 187) }
```

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

```
.background{ background-color: rgb(255,  
221, 187) }
```

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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