

# Converting Colors

$Y_{xy}(76.8232, 0.3572, 0.3577)$

Have a look what the booklet for  
Yxy(76.8232, 0.3572, 0.3577)  
contains.

<b>Yxy(76.8232, 0.3572, 0.3577)</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(76.8232, 0.3572, 0.3577)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDDC1
RGB	255, 221, 193
RGB Percent	100%, 87%, 76%
CMY	0.0001, 0.1333, 0.2432
CMYK	0.00, 0.13, 0.24, 0.00
HSL	27°, 100%, 88%
HSV	27°, 24%, 100%
XYZ	76.7158, 76.8232, 61.2309
YIQ	227.9740, 29.2520, -1.5000

# Conversions

## Conversions Part 2

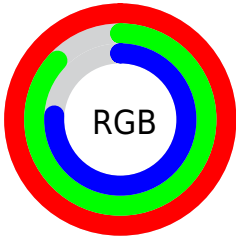
Format	Color
R <sub>Y</sub> B	255, 244, 193
Decimal	16768449
CIE Lab	90.24, 7.60, 18.09
CIE LCh	90, 19.623, 67.204
Yxy	76.8232, 0.3572, 0.3577
Android (android.graphics.Color)	4294958529 (0xFFFFDDC1)
YUV	227.9740, -17.2422, 23.7018
Hunter-Lab	87.6488, 2.8490, 19.9346

# Details

The Yxy color **76.8232, 0.3572, 0.3577** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **73.4701, 0.2742, 0.2984**, and the grayscale version is **77.6759, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6821, 0.3156, 0.3338**, and **41.1423, 0.3683, 0.3644** is the 20% darker color. If you saturate the color by 10%, you get **68.7111, 0.3802, 0.3702**, and if you desaturate by 10%, it is **85.7525, 0.3370, 0.3455**.

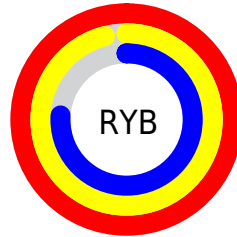
# Distribution



Red (100%)

Green (87%)

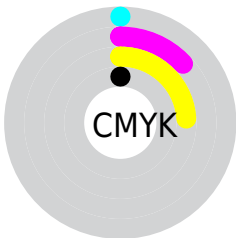
Blue (76%)



Red (100%)

Yellow (96%)

Blue (76%)

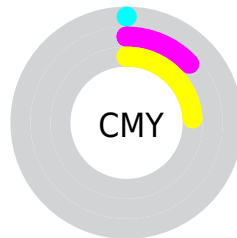


Cyan (0%)

Magenta (13%)

Yellow (24%)

Black (0%)



Cyan (0%)

Magenta (13%)


Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.8232, 0.3572, 0.3577 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 76.8232, 0.3572, 0.3577 by changing the saturation by 10% instead.




 76.8232, 0.3572,  
0.3577

 76.8232, 0.3572,  
0.3577

484.1610, 0.3367,  
0.3449

 57.1078, 0.3618,  
0.3605


 128.8899, 0.3501,  
0.3533

 41.0918, 0.3676,  
0.3639


162.0099, 0.3474,  
0.3516

 28.3908, 0.3748,  
0.3681


200.3670, 0.3450,  
0.3501

 18.6205, 0.3841,  
0.3735

244.3454, 0.3429,  
0.3488

 11.3964, 0.3967,  
0.3804

294.3296, 0.3411,  
0.3477

 6.3341, 0.4144,  
0.3896

350.7041, 0.3394,

 3.0493, 0.4408,

0.3466

0.4022

413.8531, 0.3380,  
0.3457

■ 1.1575, 0.5360,  
0.4640

■ 0.0266, 0.8880,  
0.1120

■ 76.8232, 0.3572,  
0.3577

■ 76.8232, 0.3572,  
0.3577

■ 68.7111, 0.3802,  
0.3702

■ 85.7525, 0.3370,  
0.3455

■ 61.3808, 0.4060,  
0.3822

■ 95.5121, 0.3195,  
0.3338

■ 54.8093, 0.4343,  
0.3931

99.9964, 0.3127,  
0.3290

■ 48.9684, 0.4642,  
0.4016

■ 43.8278, 0.4941,  
0.4064

■ 39.3538, 0.5222,  
0.4062

■ 35.5087, 0.5461,  
0.4005

■ 33.5788, 0.5579,  
0.3952

# Harmonies

## Analogous

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



76.8232, 0.3573, 0.3399



76.8232, 0.3572, 0.3577



76.8232, 0.3448, 0.3687

# Triad

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



76.8232, 0.3572, 0.3577



76.8232, 0.2811, 0.3370



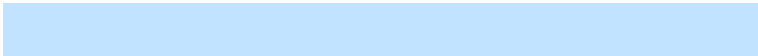
76.8232, 0.3002, 0.2925

# Complementary

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



76.8232, 0.3572, 0.3577



73.4701, 0.2742, 0.2984

# 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.



76.8232, 0.2808, 0.2907



76.8232, 0.3572, 0.3577



76.8232, 0.2701, 0.3154

# Square

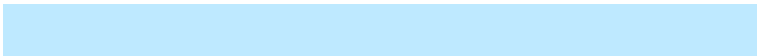
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.8232, 0.3572, 0.3577



76.8232, 0.3007, 0.3570



76.8232, 0.2700, 0.2987



76.8232, 0.3237, 0.3032



# Rectangle

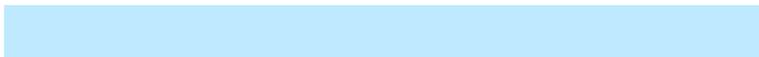
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.8232, 0.3572, 0.3577



76.8232, 0.3315, 0.3701



76.8232, 0.2700, 0.2987



76.8232, 0.2930, 0.2909

# Sweetspot

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



76.8267, 0.3572, 0.3577



92.8208, 0.3240, 0.3369



64.9432, 0.3364, 0.2946



19.7392, 0.3250, 0.3376



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.



76.8267, 0.3572, 0.3577



72.9347, 0.3676, 0.3635



94.6526, 0.3502, 0.3871



19.3394, 0.3283, 0.3398



17.8376, 0.5551, 0.3974

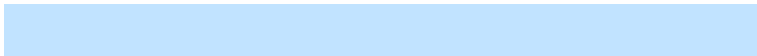


1.9515, 0.5358, 0.4128



# Inverse Universe

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



73.4701, 0.2742, 0.2984



69.0643, 0.2666, 0.2917



58.0758, 0.2712, 0.2634



19.0277, 0.2979, 0.3180



13.8337, 0.1816, 0.1737

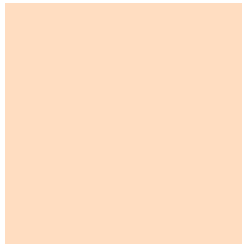


1.5653, 0.1869, 0.1928



# Previews

## White Background



This preview shows how the Yxy color 76.8232, 0.3572, 0.3577 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

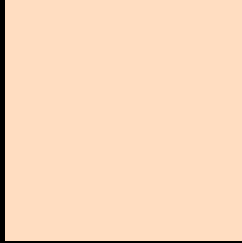
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.8232, 0.3572, 0.3577 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 76.8232, 0.3572, 0.3577**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.8232, 0.3572, 0.3577.



This preview shows how white text looks on a background with the Yxy color 76.8232, 0.3572, 0.3577.

# 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

76.8232, 0.3572, 0.3577

### Protanopia

77.1008, 0.3412, 0.3619

### Deuteranopia

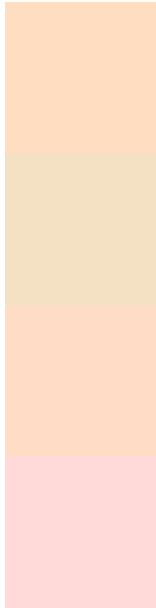
76.6634, 0.3517, 0.3484



## Tritanopia

76.6552, 0.3308, 0.3151

# Trichromacy



**Original Color**

76.8232, 0.3572, 0.3577

**Protanomaly**

77.0237, 0.3467, 0.3604

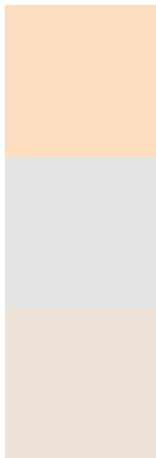
**Deuteranomaly**

76.5236, 0.3538, 0.3515

**Tritanomaly**

76.4126, 0.3406, 0.3301

# Monochromacy



**Original Color**

76.8232, 0.3572, 0.3577

**Achromatopsia**

77.5822, 0.3127, 0.3290

**Achromatomaly**

76.9339, 0.3286, 0.3395

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.8232, 0.3572, 0.3577 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, 193)` looks like.

```
.text, #text, p{  
    color:rgb(255, 221, 193)  
}
```

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, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 221, 193) }
```

## Border

The CSS property to change the border of an element to Yxy 76.8232, 0.3572, 0.3577 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, 193) }
```

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

```
.border{ border-color:rgb(255, 221, 193) }
```

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, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 221, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 221, 193);  
box-shadow:4px 4px 4px 4px rgb(255, 221,  
193) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 76.8232, 0.3572, 0.3577$  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, 193) }
```

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

```
.background{ background-color: rgb(255,  
221, 193) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor