

# Converting Colors

$Yxy(90.2443, 0.3861, 0.3312)$

Have a look what the booklet for  
Yxy(90.2443, 0.3861, 0.3312)  
contains.

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# **Color**

**Yxy(76.8809, 0.3411, 0.3321)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDBD8
RGB	255, 219, 216
RGB Percent	100%, 86%, 85%
CMY	0.0000, 0.1411, 0.1529
CMYK	0.00, 0.14, 0.15, 0.00
HSL	5°, 100%, 92%
HSV	5°, 15%, 100%
XYZ	78.9644, 76.8809, 75.6540
YIQ	229.4220, 22.4190, 6.6990

# Conversions

## Conversions Part 2

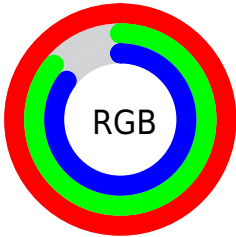
Format	Color
R <sub>Y</sub> B	255, 219, 216
Decimal	16767960
CIE Lab	90.27, 11.99, 6.08
CIE LCh	90, 13.445, 26.872
Yxy	76.8809, 0.3411, 0.3321
Android (android.graphics.Color)	4294958040 (0xFFFFDBD8)
YUV	229.4220, -6.6170, 22.4319
Hunter-Lab	87.6818, 7.3104, 10.2204

# Details

The Yxy color **76.8809, 0.3411, 0.3321** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **91.4394, 0.2893, 0.3259**, and the grayscale version is **78.7209, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.1299, 0.3481, 0.3330** is the 20% darker color. If you saturate the color by 10%, you get **64.2384, 0.3654, 0.3343**, and if you desaturate by 10%, it is **91.4719, 0.3215, 0.3300**.

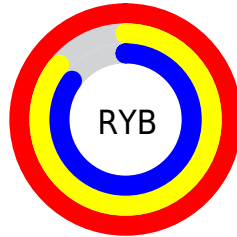
# Distribution



Red (100%)

Green (86%)

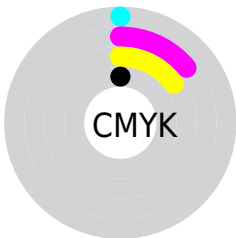
Blue (85%)



Red (100%)

Yellow (86%)

Blue (85%)

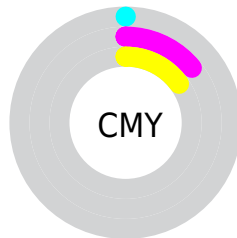


Cyan (0%)

Magenta (14%)

Yellow (15%)

Black (0%)



Cyan (0%)

Magenta (14%)


Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.8809, 0.3411, 0.3321 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 76.8809, 0.3411, 0.3321 by changing the saturation by 10% instead.



 76.8809, 0.3411,  
0.3321

 76.8809, 0.3411,  
0.3321


484.3579, 0.3280,  
0.3308

 57.1551, 0.3441,  
0.3324

128.9713, 0.3366,  
0.3317

 41.1298, 0.3478,  
0.3326


162.1048, 0.3348,  
0.3315

 28.4205, 0.3524,  
0.3330


200.4763, 0.3333,  
0.3314

 18.6429, 0.3585,  
0.3334

244.4702, 0.3320,  
0.3312

 11.4125, 0.3668,  
0.3339

294.4709, 0.3308,  
0.3311

 6.3450, 0.3786,  
0.3343

350.8628, 0.3298,

 3.0560, 0.3971,

0.3310

0.3347

414.0303, 0.3288,  
0.3309

■ 1.1610, 0.4306,  
0.3349

■ 0.0295, 0.9157,  
0.0843

■ 76.8809, 0.3411,  
0.3321

■ 76.8809, 0.3411,  
0.3321

■ 64.2384, 0.3654,  
0.3343

■ 91.4719, 0.3215,  
0.3300

■ 53.4523, 0.3952,  
0.3365

99.9978, 0.3127,  
0.3290

■ 44.4381, 0.4311,  
0.3386

■ 37.1010, 0.4730,  
0.3402

■ 31.3374, 0.5189,  
0.3409

■ 27.0319, 0.5645,  
0.3403

■ 24.0536, 0.6032,  
0.3381

■ 22.2477, 0.6286,  
0.3347

■ 21.7433, 0.6359,  
0.3333

# Harmonies

## Analogous

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



76.8809, 0.3303, 0.3186



76.8809, 0.3411, 0.3321



76.8809, 0.3441, 0.3452

# Triad

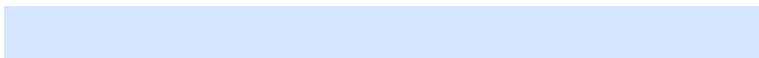
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.8809, 0.3411, 0.3321



76.8809, 0.3100, 0.3515



76.8809, 0.2873, 0.3038

# Complementary

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



76.8809, 0.3411, 0.3321



91.4394, 0.2893, 0.3259

# 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.



76.8809, 0.2823, 0.3118



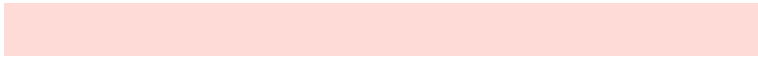
76.8809, 0.3411, 0.3321



76.8809, 0.2952, 0.3395

# Square

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



76.8809, 0.3411, 0.3321



76.8809, 0.3259, 0.3569



76.8809, 0.2851, 0.3248



76.8809, 0.2991, 0.3025



# Rectangle

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



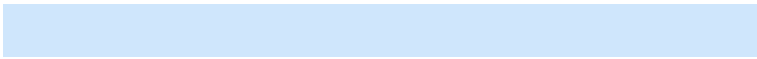
76.8809, 0.3411, 0.3321



76.8809, 0.3413, 0.3520



76.8809, 0.2851, 0.3248



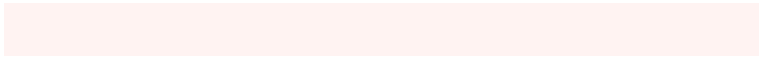
76.8809, 0.2848, 0.3057

# Sweetspot

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



76.8843, 0.3411, 0.3321



91.9241, 0.3210, 0.3300



77.4314, 0.3162, 0.2935



19.4413, 0.3222, 0.3301



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

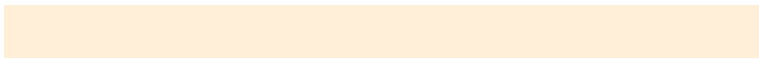
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.8843, 0.3411, 0.3321



73.2679, 0.3472, 0.3327



87.4244, 0.3382, 0.3510



18.2109, 0.3293, 0.3309



11.4416, 0.6346, 0.3343

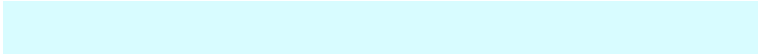


1.1879, 0.6226, 0.3438

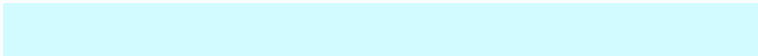


# Inverse Universe

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



91.4394, 0.2893, 0.3259



90.0821, 0.2853, 0.3253



80.0447, 0.2885, 0.3060



20.2286, 0.2980, 0.3271



35.0462, 0.2180, 0.3048

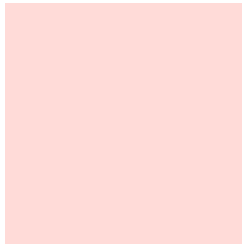


3.4804, 0.2188, 0.3077



# Previews

## White Background



This preview shows how the Yxy color 76.8809, 0.3411, 0.3321 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

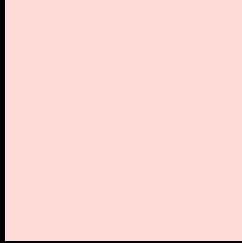
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.8809, 0.3411, 0.3321 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

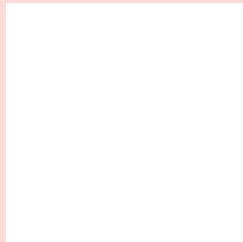
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.8809, 0.3411, 0.3321**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.8809, 0.3411, 0.3321.

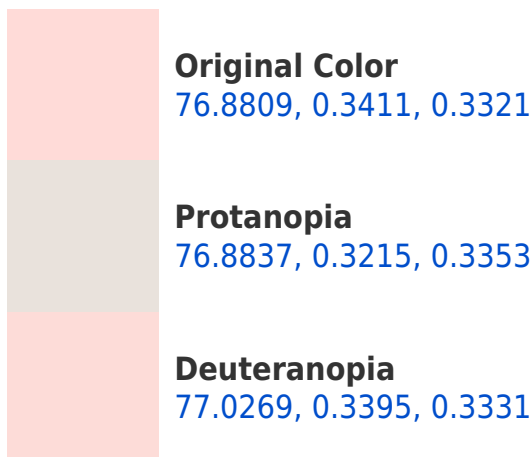


This preview shows how white text looks on a background with the Yxy color 76.8809, 0.3411, 0.3321.

# 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





## Tritanopia

76.7689, 0.3294, 0.3131

# Trichromacy



## Original Color

76.8809, 0.3411, 0.3321

## Protanomaly

76.5906, 0.3282, 0.3332

## Deuteranomaly

77.2151, 0.3402, 0.3331

## Tritanomaly

76.9489, 0.3335, 0.3201

# Monochromacy



## Original Color

76.8809, 0.3411, 0.3321

## Achromatopsia

78.3538, 0.3127, 0.3290

## Achromatomaly

77.4094, 0.3225, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.8809, 0.3411, 0.3321 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, 219, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 216)  
}
```

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, 219, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 76.8809, 0.3411, 0.3321 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, 219, 216) }
```

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

```
.border{ border-color:rgb(255, 219, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 219, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 219, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 219, 216); box-shadow:4px 4px 4px 4px rgb(255, 219, 216) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.8809, 0.3411, 0.3321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 219, 216) }
```

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

```
.background{ background-color: rgb(255,  
219, 216) }
```

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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