

# Converting Colors

$Y_{xy}(76.7592, 0.3655, 0.3708)$

Have a look what the booklet for  
Yxy(76.7592, 0.3655, 0.3708)  
contains.

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# Color

**Yxy(76.8387, 0.3655, 0.3710)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDEB5
RGB	255, 222, 181
RGB Percent	100%, 87%, 71%
CMY	0.0001, 0.1294, 0.2901
CMYK	0.00, 0.13, 0.29, 0.00
HSL	33°, 100%, 85%
HSV	33°, 29%, 100%
XYZ	75.6996, 76.8387, 54.5741
YIQ	227.1930, 32.8290, -5.7550

# Conversions

## Conversions Part 2

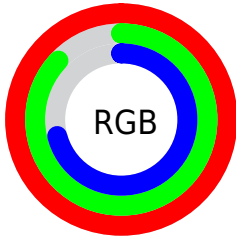
Format	Color
R <sub>Y</sub> B	241, 255, 181
Decimal	16768693
CIE Lab	90.25, 5.51, 24.32
CIE LCh	90, 24.932, 77.238
Yxy	76.8387, 0.3655, 0.3710
Android (android.graphics.Color)	4294958773 (0xFFFFDEB5)
YUV	227.1930, -22.7731, 24.3867
Hunter-Lab	87.6577, 0.7484, 24.4475

# Details

The Yxy color **76.8387, 0.3655, 0.3710** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **65.1426, 0.2656, 0.2829**, and the grayscale version is **77.1172, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8944, 0.3232, 0.3464**, and **41.0663, 0.3772, 0.3802** is the 20% darker color. If you saturate the color by 10%, you get **70.0516, 0.3879, 0.3859**, and if you desaturate by 10%, it is **84.2317, 0.3452, 0.3560**.

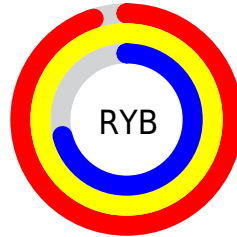
# Distribution



Red (100%)

Green (87%)

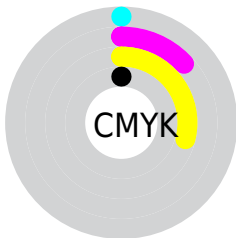
Blue (71%)



Red (95%)

Yellow (100%)

Blue (71%)

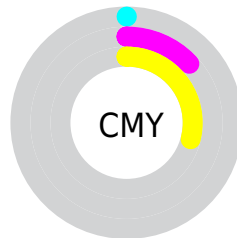


Cyan (0%)

Magenta (13%)

Yellow (29%)

Black (0%)



Cyan (0%)

Magenta (13%)


Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.8387, 0.3655, 0.3710 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 76.8387, 0.3655, 0.3710 by changing the saturation by 10% instead.





 76.8387, 0.3655,  
0.3710

 76.8387, 0.3655,  
0.3710

484.2139, 0.3413,  
0.3521

 57.1205, 0.3709,  
0.3751

 128.9118, 0.3572,  
0.3646

 41.1020, 0.3776,  
0.3801

162.0354, 0.3539,  
0.3621

 28.3988, 0.3860,  
0.3863


200.3963, 0.3511,  
0.3599

 18.6265, 0.3967,  
0.3941

244.3789, 0.3486,  
0.3579

 11.4007, 0.4108,  
0.4041

294.3676, 0.3465,  
0.3562

 6.3370, 0.4303,  
0.4172

350.7467, 0.3445,

 3.0511, 0.4590,

0.3547

0.4353

413.9007, 0.3428,  
0.3534

■ 1.1585, 0.5229,  
0.4771

■ 0.0274, 0.8542,  
0.1458

■ 76.8387, 0.3655,  
0.3710

■ 76.8387, 0.3655,  
0.3710

■ 70.0516, 0.3879,  
0.3859

■ 84.2317, 0.3452,  
0.3560

■ 63.8414, 0.4120,  
0.4001

■ 92.2374, 0.3272,  
0.3415

■ 58.1920, 0.4373,  
0.4123

99.9968, 0.3127,  
0.3290

■ 53.0821, 0.4627,  
0.4215

■ 48.4884, 0.4869,  
0.4263

■ 44.3844, 0.5082,  
0.4258

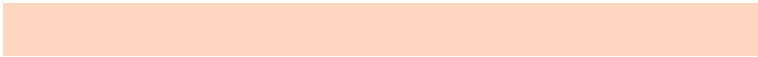
■ 40.7353, 0.5258,  
0.4201

■ 40.3926, 0.5275,  
0.4194

# Harmonies

## Analogous

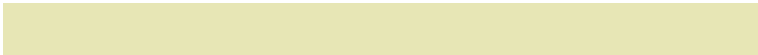
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.8387, 0.3714, 0.3504



76.8387, 0.3655, 0.3710



76.8387, 0.3452, 0.3814

# Triad

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



76.8387, 0.3655, 0.3710



76.8387, 0.2667, 0.3294



76.8387, 0.3065, 0.2867

# Complementary

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



76.8387, 0.3655, 0.3710



65.1426, 0.2656, 0.2829

# Split Complementary

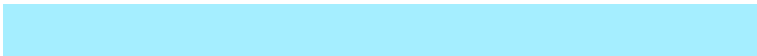
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.8387, 0.2795, 0.2802



76.8387, 0.3655, 0.3710



76.8387, 0.2574, 0.3032

# Square

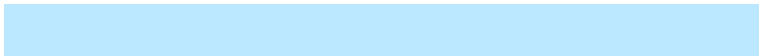
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.8387, 0.3655, 0.3710



76.8387, 0.2881, 0.3571



76.8387, 0.2619, 0.2858



76.8387, 0.3364, 0.3030



# Rectangle

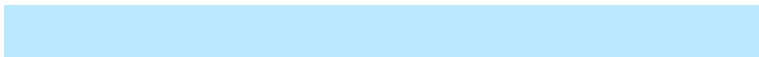
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.8387, 0.3655, 0.3710



76.8387, 0.3267, 0.3800



76.8387, 0.2619, 0.2858



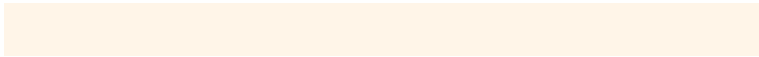
76.8387, 0.2967, 0.2833

# Sweetspot

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



76.8422, 0.3655, 0.3710



92.2530, 0.3272, 0.3415



59.1887, 0.3485, 0.2949



19.4882, 0.3297, 0.3435



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.



76.8422, 0.3655, 0.3710



72.7095, 0.3787, 0.3800



95.4091, 0.3542, 0.4024



19.6563, 0.3280, 0.3422



21.4118, 0.5252, 0.4212



2.3029, 0.5098, 0.4334



# Inverse Universe

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



65.1426, 0.2656, 0.2829



59.2237, 0.2554, 0.2717



50.5607, 0.2639, 0.2448



18.7111, 0.2979, 0.3155



10.3129, 0.1722, 0.1398



1.2181, 0.1782, 0.1616



# Previews

## White Background



This preview shows how the Yxy color 76.8387, 0.3655, 0.3710 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

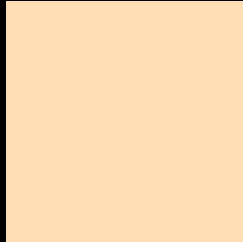
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.8387, 0.3655, 0.3710 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

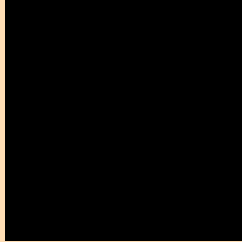
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 76.8387, 0.3655, 0.3710**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.8387, 0.3655, 0.3710.

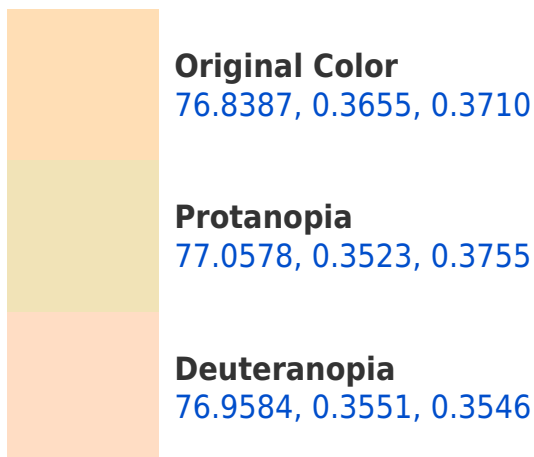


This preview shows how white text looks on a background with the Yxy color 76.8387, 0.3655, 0.3710.

# 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

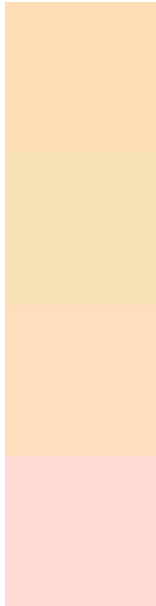




## Tritanopia

76.6552, 0.3308, 0.3151

# Trichromacy



**Original Color**

76.8387, 0.3655, 0.3710

**Protanomaly**

76.8207, 0.3572, 0.3740

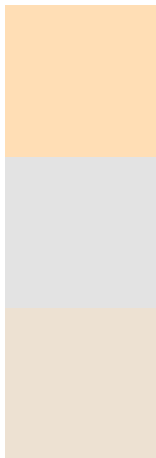
**Deuteranomaly**

76.7345, 0.3586, 0.3597

**Tritanomaly**

76.7271, 0.3433, 0.3352

# Monochromacy



**Original Color**

76.8387, 0.3655, 0.3710

**Achromatopsia**

76.8151, 0.3127, 0.3290

**Achromatomaly**

76.5081, 0.3312, 0.3449

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.8387, 0.3655, 0.3710 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, 222, 181)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 181)  
}
```

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, 222, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 181) }
```

## Border

The CSS property to change the border of an element to Yxy 76.8387, 0.3655, 0.3710 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, 222, 181) }
```

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

```
.border{ border-color:rgb(255, 222, 181) }
```

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

Here you see how a box with a 4 pixel rgb(255, 222, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 181);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
181) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.8387, 0.3655, 0.3710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 222, 181) }
```

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

```
.background{ background-color: rgb(255,  
222, 181) }
```

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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