

# Converting Colors

$Y_{xy}(78.1343, 0.3613, 0.3677)$

Have a look what the booklet for  
Yxy(78.1343, 0.3613, 0.3677)  
contains.

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# Color

**Yxy(78.1165, 0.3615, 0.3678)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE0BA
RGB	255, 224, 186
RGB Percent	100%, 88%, 73%
CMY	0.0000, 0.1216, 0.2705
CMYK	0.00, 0.12, 0.27, 0.00
HSL	33°, 100%, 86%
HSV	33°, 27%, 100%
XYZ	76.7785, 78.1165, 57.4936
YIQ	228.9370, 30.6740, -5.2460

# Conversions

## Conversions Part 2

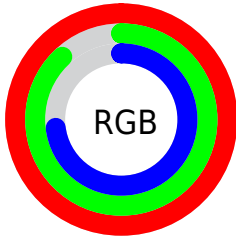
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 255, 186
Decimal	16769210
CIE Lab	90.83, 5.17, 22.54
CIE LCh	91, 23.128, 77.072
Yxy	78.1165, 0.3615, 0.3678
Android (android.graphics.Color)	4294959290 (0xFFFFE0BA)
YUV	228.9370, -21.1679, 22.8573
Hunter-Lab	88.3835, 0.3911, 23.3003

# Details

The Yxy color **78.1165, 0.3615, 0.3678** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **67.3048, 0.2690, 0.2868**, and the grayscale version is **78.4394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1908, 0.3203, 0.3415**, and **42.0752, 0.3728, 0.3760** is the 20% darker color. If you saturate the color by 10%, you get **71.1611, 0.3835, 0.3827**, and if you desaturate by 10%, it is **85.6622, 0.3416, 0.3530**.

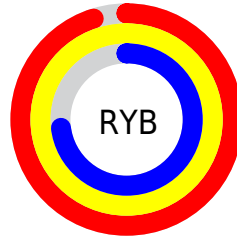
# Distribution



Red (100%)

Green (88%)

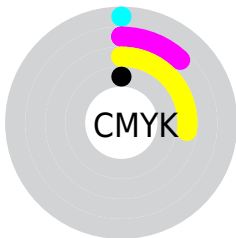
Blue (73%)



Red (95%)

Yellow (100%)

Blue (73%)

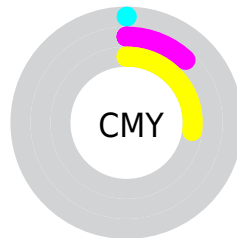


Cyan (0%)

Magenta (12%)

Yellow (27%)

Black (0%)



Cyan (0%)

Magenta (12%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.1165, 0.3615, 0.3678 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 78.1165, 0.3615, 0.3678 by changing the saturation by 10% instead.




 78.1165, 0.3615,  
0.3678

 78.1165, 0.3615,  
0.3678


488.5624, 0.3392,  
0.3504

 58.1697, 0.3665,  
0.3716

 130.7143, 0.3538,  
0.3619

 41.9451, 0.3727,  
0.3763

164.1341, 0.3508,  
0.3595

 29.0583, 0.3803,  
0.3820


202.8137, 0.3482,  
0.3575

 19.1249, 0.3902,  
0.3892

247.1375, 0.3459,  
0.3557

 11.7606, 0.4033,  
0.3986

297.4899, 0.3439,  
0.3542

 6.5809, 0.4214,  
0.4110

354.2552, 0.3422,

 3.2014, 0.4475,

0.3528

0.4276

417.8179, 0.3406,  
0.3515

■ 1.2378, 0.5201,  
0.4799

■ 0.0922, 0.6988,  
0.3012

■ 78.1165, 0.3615,  
0.3678

■ 78.1165, 0.3615,  
0.3678

■ 71.1611, 0.3835,  
0.3827

■ 85.6622, 0.3416,  
0.3530

■ 64.8058, 0.4074,  
0.3970

■ 93.8440, 0.3239,  
0.3386

■ 59.0217, 0.4327,  
0.4096

100.0000, 0.3127,  
0.3290

■ 53.7876, 0.4584,  
0.4194

■ 49.0803, 0.4830,  
0.4251

■ 44.8740, 0.5052,  
0.4256

■ 41.1377, 0.5236,  
0.4206

■ 40.1153, 0.5286,  
0.4185

# Harmonies

## Analogous

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



78.1165, 0.3668, 0.3488



78.1165, 0.3615, 0.3678



78.1165, 0.3429, 0.3772

# Triad

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



78.1165, 0.3615, 0.3678



78.1165, 0.2703, 0.3296



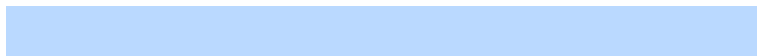
78.1165, 0.3068, 0.2897

# Complementary

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



78.1165, 0.3615, 0.3678



67.3048, 0.2690, 0.2868

# Split Complementary

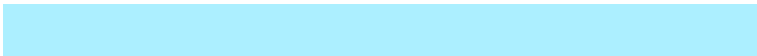
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.1165, 0.2819, 0.2838



78.1165, 0.3615, 0.3678



78.1165, 0.2615, 0.3055

# Square

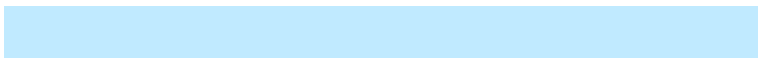
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.1165, 0.3615, 0.3678



78.1165, 0.2902, 0.3550



78.1165, 0.2657, 0.2892



78.1165, 0.3344, 0.3049

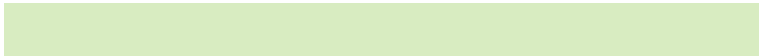


# Rectangle

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



78.1165, 0.3615, 0.3678



78.1165, 0.3258, 0.3759



78.1165, 0.2657, 0.2892



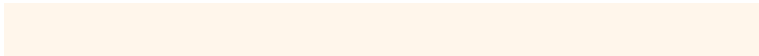
78.1165, 0.2979, 0.2866

# Sweetspot

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



78.1070, 0.3614, 0.3678



93.0415, 0.3255, 0.3400



61.3974, 0.3454, 0.2973



19.6445, 0.3280, 0.3421



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.



78.1070, 0.3614, 0.3678



74.5955, 0.3721, 0.3752



95.6775, 0.3514, 0.3974



19.6445, 0.3280, 0.3421



21.2638, 0.5263, 0.4203

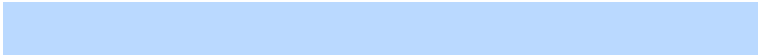


2.2887, 0.5107, 0.4327



# Inverse Universe

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



67.3048, 0.2690, 0.2868



62.2884, 0.2606, 0.2777



53.2230, 0.2677, 0.2513



18.7227, 0.2979, 0.3156



10.4275, 0.1725, 0.1410



1.2297, 0.1785, 0.1627



# Previews

## White Background



This preview shows how the Yxy color 78.1165, 0.3615, 0.3678 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 78.1165, 0.3615, 0.3678 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

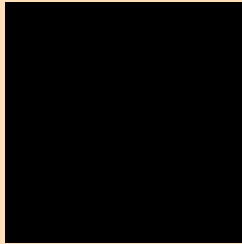
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.1165, 0.3615, 0.3678**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.1165, 0.3615, 0.3678.

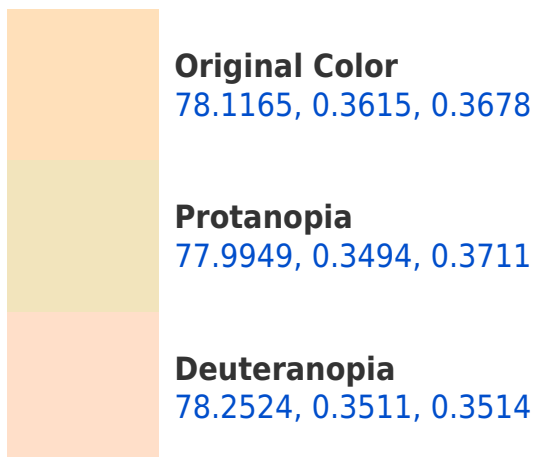


This preview shows how white text looks on a background with the Yxy color 78.1165, 0.3615, 0.3678.

# 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

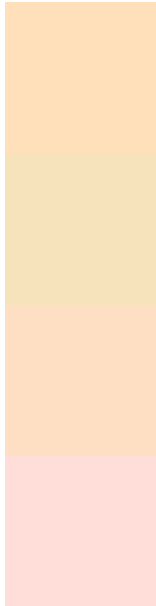




## Tritanopia

78.3296, 0.3291, 0.3161

# Trichromacy



**Original Color**

78.1165, 0.3615, 0.3678

**Protanomaly**

78.3002, 0.3540, 0.3706

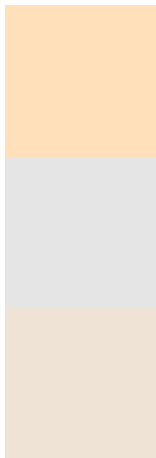
**Deuteranomaly**

78.0209, 0.3546, 0.3566

**Tritanomaly**

77.9308, 0.3408, 0.3341

# Monochromacy



**Original Color**

78.1165, 0.3615, 0.3678

**Achromatopsia**

78.3538, 0.3127, 0.3290

**Achromatomaly**

77.9194, 0.3297, 0.3437

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.1165, 0.3615, 0.3678 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, 224, 186)` looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 186)  
}
```

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, 224, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 78.1165, 0.3615, 0.3678 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, 224, 186) }
```

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

```
.border{ border-color:rgb(255, 224, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 224, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 224, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 224, 186);  
box-shadow:4px 4px 4px 4px rgb(255, 224,  
186) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.1165, 0.3615, 0.3678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 224, 186) }
```

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

```
.background{ background-color: rgb(255,  
224, 186) }
```

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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