

Converting Colors

$Y_{xy}(78.6123, 0.3779, 0.3773)$

Have a look what the booklet for
Yxy(78.6123, 0.3779, 0.3773)
contains.

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Color

Yxy(76.5585, 0.3705, 0.3782)

Conversions

Conversions Part 1

Format	Color
Hex	FFDEAE
RGB	255, 222, 174
RGB Percent	100%, 87%, 68%
CMY	0.0000, 0.1294, 0.3176
CMYK	0.00, 0.13, 0.32, 0.00
HSL	36°, 100%, 84%
HSV	36°, 32%, 100%
XYZ	74.9998, 76.5585, 50.8703
YIQ	226.3950, 35.0760, -7.9320

Conversions

Conversions Part 2

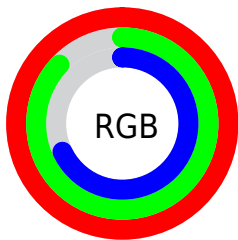
Format	Color
R _Y B	230, 255, 174
Decimal	16768686
CIE Lab	90.12, 4.63, 27.77
CIE LCh	90, 28.155, 80.530
Yxy	76.5585, 0.3705, 0.3782
Android (android.graphics.Color)	4294958766 (0xFFFFDEAE)
YUV	226.3950, -25.8307, 25.0866
Hunter-Lab	87.4977, -0.1174, 26.7778

Details

The Yxy color **76.5585, 0.3705, 0.3782** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **60.8400, 0.2605, 0.2741**, and the grayscale version is **76.5276, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.4932, 0.3274, 0.3532**, and **40.8882, 0.3836, 0.3893** is the 20% darker color. If you saturate the color by 10%, you get **70.3116, 0.3926, 0.3939**, and if you desaturate by 10%, it is **83.3411, 0.3502, 0.3622**.

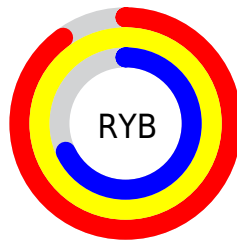
Distribution



Red (100%)

Green (87%)

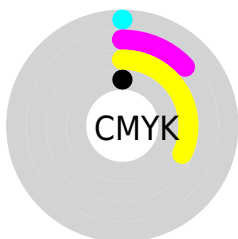
Blue (68%)



Red (90%)

Yellow (100%)

Blue (68%)

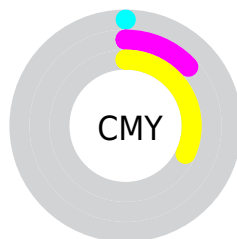


Cyan (0%)

Magenta (13%)

Yellow (32%)

Black (0%)



Cyan (0%)


Magenta (13%)


Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.5585, 0.3705, 0.3782 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 76.5585, 0.3705, 0.3782 by changing the saturation by 10% instead.

 76.5585, 0.3705,
0.3782

 76.5585, 0.3705,
0.3782

483.2574, 0.3441,
0.3561

 56.8906, 0.3764,
0.3830


 128.5161, 0.3614,
0.3707

 40.9174, 0.3836,
0.3889


161.5745, 0.3579,
0.3677

 28.2546, 0.3926,
0.3961


199.8653, 0.3548,
0.3652

 18.5176, 0.4041,
0.4051

243.7727, 0.3521,
0.3629

 11.3223, 0.4191,
0.4165

293.6813, 0.3497,
0.3609

 6.2840, 0.4393,
0.4313

349.9753, 0.3476,

 3.0185, 0.4722,

0.3591

0.4550

413.0392, 0.3457,
0.3575

■ 1.1414, 0.5175,
0.4825

■ 0.0131, 0.9057,
0.0943

■ 76.5585, 0.3705,
0.3782

■ 76.5585, 0.3705,
0.3782

■ 70.3116, 0.3926,
0.3939

■ 83.3411, 0.3502,
0.3622

■ 64.5730, 0.4160,
0.4085

■ 90.6646, 0.3318,
0.3465

■ 59.3283, 0.4400,
0.4209

■ 98.5474, 0.3154,
0.3315

■ 54.5579, 0.4634,
0.4298

■ 99.9989, 0.3127,
0.3290

■ 50.2398, 0.4849,
0.4340

■ 46.3490, 0.5034,
0.4329

■ 43.4367, 0.5161,
0.4284

Harmonies

Analogous

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



76.5585, 0.3793, 0.3557



76.5585, 0.3705, 0.3782



76.5585, 0.3460, 0.3887

Triad

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



76.5585, 0.3705, 0.3782



76.5585, 0.2591, 0.3257



76.5585, 0.3092, 0.2830

Complementary

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



76.5585, 0.3705, 0.3782



60.8400, 0.2605, 0.2741

Split Complementary

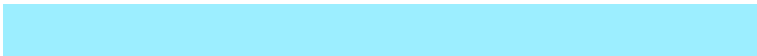
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.5585, 0.2781, 0.2744



76.5585, 0.3705, 0.3782



76.5585, 0.2504, 0.2969

Square

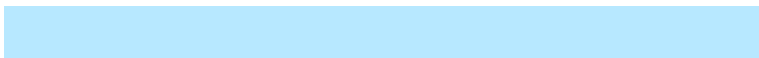
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.5585, 0.3705, 0.3782



76.5585, 0.2817, 0.3577



76.5585, 0.2571, 0.2789



76.5585, 0.3429, 0.3023

Rectangle

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



76.5585, 0.3705, 0.3782



76.5585, 0.3246, 0.3860



76.5585, 0.2571, 0.2789



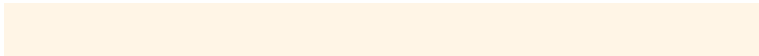
76.5585, 0.2981, 0.2788

Sweetspot

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



76.5620, 0.3705, 0.3782



92.0167, 0.3288, 0.3438



56.0747, 0.3554, 0.2942



19.4649, 0.3312, 0.3460



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.



76.5620, 0.3705, 0.3782



72.6053, 0.3841, 0.3881



94.5737, 0.3562, 0.4099



19.7772, 0.3279, 0.3431



22.9988, 0.5141, 0.4300



2.4542, 0.5003, 0.4410

Inverse Universe

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



60.8400, 0.2605, 0.2741



54.6893, 0.2496, 0.2612



47.2877, 0.2603, 0.2359



18.5925, 0.2979, 0.3145



9.2063, 0.1689, 0.1280



1.1045, 0.1751, 0.1503

Previews

White Background



This preview shows how the Yxy color 76.5585, 0.3705, 0.3782 looks on a white background.

Color Contrast Check

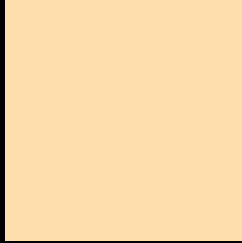
Large Text (above 18pt) WCAG AA × Fail

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 76.5585, 0.3705, 0.3782 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

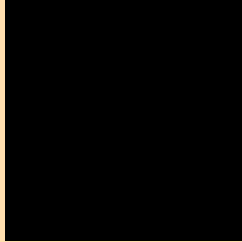
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.5585, 0.3705, 0.3782

Background



This preview shows how black text looks on a background with the Yxy color 76.5585, 0.3705, 0.3782.



This preview shows how white text looks on a background with the Yxy color 76.5585, 0.3705, 0.3782.

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

76.5585, 0.3705, 0.3782

Protanopia

76.4045, 0.3581, 0.3818

Deuteranopia

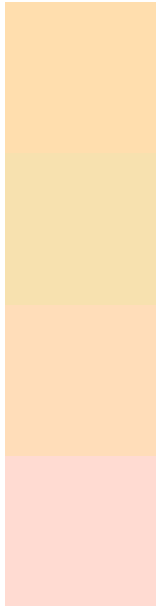
76.7787, 0.3579, 0.3587



Tritanopia

76.5989, 0.3315, 0.3161

Trichromacy



Original Color

76.5585, 0.3705, 0.3782

Protanomaly

76.7197, 0.3628, 0.3812

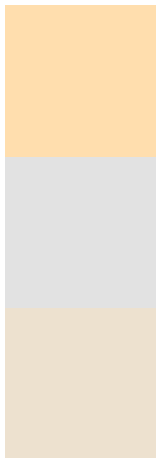
Deuteranomaly

76.4757, 0.3629, 0.3659

Tritanomaly

76.5762, 0.3454, 0.3382

Monochromacy



Original Color

76.5585, 0.3705, 0.3782

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.3599, 0.3333, 0.3481

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.5585, 0.3705, 0.3782 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, 174)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 174)  
}
```

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, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 174) }
```

Border

The CSS property to change the border of an element to Yxy 76.5585, 0.3705, 0.3782 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, 174) }
```

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

```
.border{ border-color:rgb(255, 222, 174) }
```

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, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 174);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 76.5585, 0.3705, 0.3782 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, 174) }
```

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

```
.background{ background-color: rgb(255,  
222, 174) }
```

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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