

# Converting Colors

$Y_{xy}(86.0490, 0.3869, 0.3449)$

Have a look what the booklet for  
Yxy(86.0490, 0.3869, 0.3449)  
contains.

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# **Color**

**Yxy(76.1401, 0.3519, 0.3474)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDBC9
RGB	255, 219, 201
RGB Percent	100%, 86%, 79%
CMY	0.0000, 0.1412, 0.2117
CMYK	0.00, 0.14, 0.21, 0.00
HSL	20°, 100%, 89%
HSV	20°, 21%, 100%
XYZ	77.1264, 76.1401, 65.9048
YIQ	227.7120, 27.2340, 2.0340

# Conversions

## Conversions Part 2

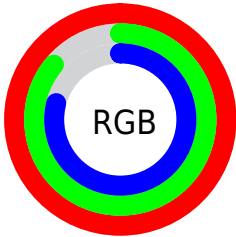
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 228, 201
Decimal	16767945
CIE Lab	89.92, 9.79, 13.45
CIE LCh	90, 16.636, 53.937
Yxy	76.1401, 0.3519, 0.3474
Android (android.graphics.Color)	4294958025 (0xFFFFDBC9)
YUV	227.7120, -13.1690, 23.9316
Hunter-Lab	87.2583, 5.0716, 16.3000

# Details

The Yxy color **76.1401, 0.3519, 0.3474** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **80.2298, 0.2797, 0.3098**, and the grayscale version is **77.4419, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.6633, 0.3614, 0.3513** is the 20% darker color. If you saturate the color by 10%, you get **66.6068, 0.3756, 0.3567**, and if you desaturate by 10%, it is **86.7727, 0.3316, 0.3384**.

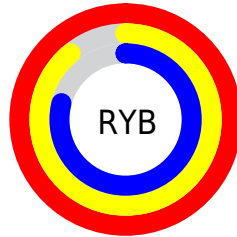
# Distribution



Red (100%)

Green (86%)

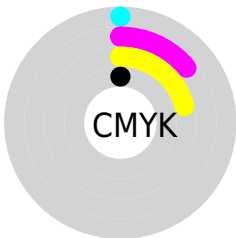
Blue (79%)



Red (100%)

Yellow (89%)

Blue (79%)

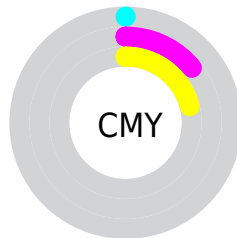


Cyan (0%)

Magenta (14%)

Yellow (21%)

Black (0%)



Cyan (0%)

Magenta (14%)


Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.1401, 0.3519, 0.3474 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 76.1401, 0.3519, 0.3474 by changing the saturation by 10% instead.




 76.1401, 0.3519,  
0.3474

 76.1401, 0.3519,  
0.3474


481.8272, 0.3338,  
0.3392

 56.5474, 0.3560,  
0.3492


127.9249, 0.3456,  
0.3446

 40.6420, 0.3611,  
0.3513


160.8858, 0.3432,  
0.3435

 28.0394, 0.3676,  
0.3540


199.0716, 0.3411,  
0.3426

 18.3554, 0.3760,  
0.3573

242.8666, 0.3392,  
0.3418

 11.2054, 0.3874,  
0.3617

292.6553, 0.3376,  
0.3410

 6.2052, 0.4037,  
0.3674

348.8220, 0.3362,

 2.9702, 0.4287,

0.3404

0.3752

411.7512, 0.3349,  
0.3398

■ 1.1162, 0.4987,  
0.4078

■ 0.0000, 1.0000,  
0.0000

■ 76.1401, 0.3519,  
0.3474

■ 76.1401, 0.3519,  
0.3474

■ 66.6068, 0.3756,  
0.3567

■ 86.7727, 0.3316,  
0.3384

■ 58.1465, 0.4032,  
0.3658

■ 98.5505, 0.3145,  
0.3299

■ 50.7166, 0.4346,  
0.3742

■ 100.0000, 0.3127,  
0.3290

■ 44.2756, 0.4690,  
0.3807

■ 38.7785, 0.5050,  
0.3841

■ 34.1766, 0.5398,  
0.3833

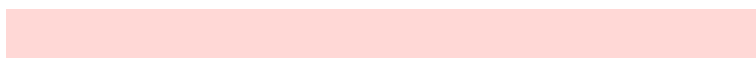
■ 30.4158, 0.5700,  
0.3774

■ 27.7374, 0.5913,  
0.3687

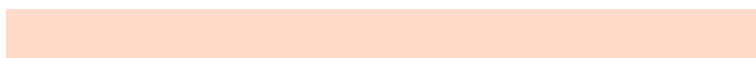
# Harmonies

## Analogous

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



76.1401, 0.3471, 0.3310



76.1401, 0.3519, 0.3474



76.1401, 0.3458, 0.3597

# Triad

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



76.1401, 0.3519, 0.3474



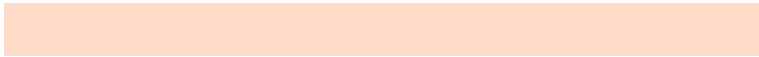
76.1401, 0.2925, 0.3438



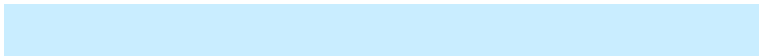
76.1401, 0.2941, 0.2961

# Complementary

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



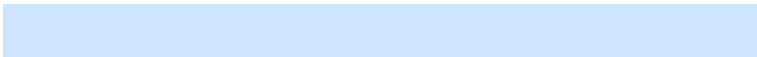
76.1401, 0.3519, 0.3474



80.2298, 0.2797, 0.3098

# 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.



76.1401, 0.2803, 0.2983



76.1401, 0.3519, 0.3474



76.1401, 0.2794, 0.3254

# Square

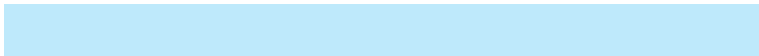
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.1401, 0.3519, 0.3474



76.1401, 0.3112, 0.3582



76.1401, 0.2750, 0.3088



76.1401, 0.3132, 0.3021



# Rectangle

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



76.1401, 0.3519, 0.3474



76.1401, 0.3365, 0.3636



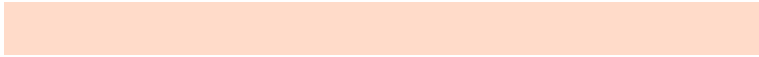
76.1401, 0.2750, 0.3088



76.1401, 0.2887, 0.2959

# Sweetspot

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



76.1365, 0.3519, 0.3474



92.7128, 0.3224, 0.3340



69.2130, 0.3274, 0.2922



19.6800, 0.3236, 0.3345



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.



76.1365, 0.3519, 0.3474



72.3543, 0.3605, 0.3509



90.8465, 0.3467, 0.3728



18.9747, 0.3286, 0.3370



14.7370, 0.5883, 0.3711

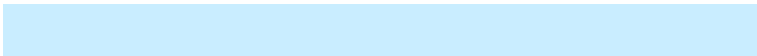


1.6260, 0.5663, 0.3885



# Inverse Universe

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



80.2298, 0.2797, 0.3098



77.0499, 0.2738, 0.3059



66.1905, 0.2777, 0.2810



19.4029, 0.2980, 0.3209



19.1051, 0.1934, 0.2161



2.0612, 0.1974, 0.2304



# Previews

## White Background



This preview shows how the Yxy color 76.1401, 0.3519, 0.3474 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

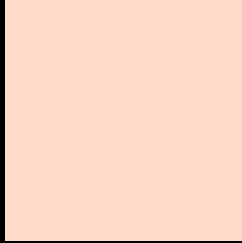
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.1401, 0.3519, 0.3474 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

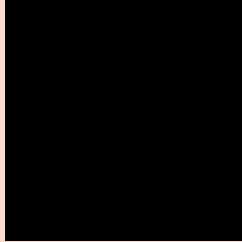
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 76.1401, 0.3519, 0.3474**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.1401, 0.3519, 0.3474.



This preview shows how white text looks on a background with the Yxy color 76.1401, 0.3519, 0.3474.

# 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

76.1401, 0.3519, 0.3474

### Protanopia

76.4145, 0.3337, 0.3524

### Deuteranopia

76.2348, 0.3504, 0.3454



## Tritanopia

76.1413, 0.3309, 0.3141

# Trichromacy



## Original Color

76.1401, 0.3519, 0.3474

## Protanomaly

75.9644, 0.3400, 0.3500

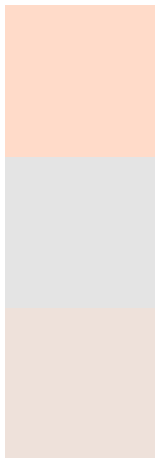
## Deuteranomaly

76.1873, 0.3512, 0.3464

## Tritanomaly

76.0530, 0.3386, 0.3261

# Monochromacy



## Original Color

76.1401, 0.3519, 0.3474

## Achromatopsia

77.5822, 0.3127, 0.3290

## Achromatomaly

77.0895, 0.3265, 0.3363

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.1401, 0.3519, 0.3474 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, 201)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 201)  
}
```

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, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 201) }
```

## Border

The CSS property to change the border of an element to Yxy 76.1401, 0.3519, 0.3474 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, 201) }
```

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

```
.border{ border-color:rgb(255, 219, 201) }
```

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, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 219, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 219, 201);  
box-shadow:4px 4px 4px 4px rgb(255, 219,  
201) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.1401, 0.3519, 0.3474 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, 201) }
```

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

```
.background{ background-color: rgb(255,  
219, 201) }
```

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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