

# Converting Colors

$Y_{xy}(82.9672, 0.3995, 0.3691)$

Have a look what the booklet for  
Yxy(82.9672, 0.3995, 0.3691)  
contains.

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# Color

**Yxy(75.0182, 0.3707, 0.3743)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDBAF
RGB	255, 219, 175
RGB Percent	100%, 86%, 69%
CMY	0.0002, 0.1411, 0.3138
CMYK	0.00, 0.14, 0.31, 0.00
HSL	33°, 100%, 84%
HSV	33°, 31%, 100%
XYZ	74.2967, 75.0182, 51.1078
YIQ	224.7480, 35.5800, -6.0520

# Conversions

## Conversions Part 2

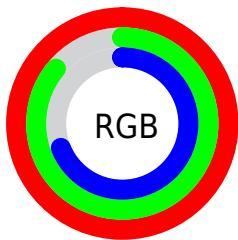
Format	Color
RYB	240, 255, 175
Decimal	16767919
CIELab	89.40, 6.27, 26.30
CIELCh	89, 27.033, 76.584
Yxy	75.0182, 0.3707, 0.3743
Android (android.graphics.Color)	4294957999 (0xFFFFDBAF)
YUV	224.7480, -24.5258, 26.5310
Hunter-Lab	86.6130, 1.5445, 25.6439

# Details

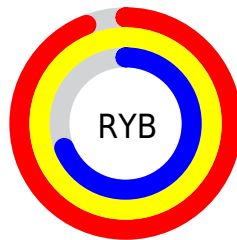
The Yxy color **75.0182, 0.3707, 0.3743** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **62.8744, 0.2616, 0.2789**, and the grayscale version is **75.2632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5495, 0.3268, 0.3522**, and **39.8264, 0.3842, 0.3843** is the 20% darker color. If you saturate the color by 10%, you get **68.3388, 0.3936, 0.3890**, and if you desaturate by 10%, it is **82.3051, 0.3499, 0.3594**.

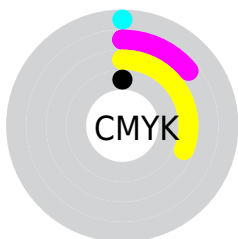
# Distribution



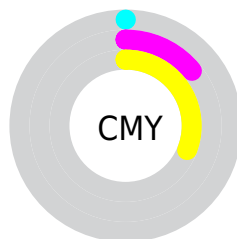
- Red (100%)
- Green (86%)
- Blue (69%)



- Red (94%)
- Yellow (100%)
- Blue (69%)



- Cyan (0%)
- Magenta (14%)
- Yellow (31%)
- Black (0%)




- Cyan (0%)
- Magenta (14%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.0182, 0.3707, 0.3743 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 75.0182, 0.3707, 0.3743 by changing the saturation by 10% instead.




 75.0182, 0.3707,  
0.3743

 75.0182, 0.3707,  
0.3743


477.9801, 0.3440,  
0.3540

 55.6278, 0.3767,  
0.3787


 126.3381, 0.3615,  
0.3674

 39.9046, 0.3841,  
0.3841


159.0364, 0.3579,  
0.3647

 27.4642, 0.3933,  
0.3907


196.9395, 0.3548,  
0.3623

 17.9221, 0.4051,  
0.3990

240.4317, 0.3521,  
0.3602

 10.8941, 0.4207,  
0.4095

289.8975, 0.3497,  
0.3584

 5.9957, 0.4420,  
0.4231

345.7213, 0.3476,

 2.8424, 0.4770,

0.3567

0.4447

408.2873, 0.3457,  
0.3553

■ 1.0500, 0.5290,  
0.4710

■ 0.0000, 1.0000,  
0.0000

■ 75.0182, 0.3707,  
0.3743

■ 75.0182, 0.3707,  
0.3743

■ 68.3388, 0.3936,  
0.3890

■ 82.3051, 0.3499,  
0.3594

■ 62.2375, 0.4182,  
0.4027

■ 90.2069, 0.3313,  
0.3447

■ 56.6977, 0.4438,  
0.4143

■ 98.7439, 0.3148,  
0.3308

■ 51.6974, 0.4692,  
0.4225

■ 99.9927, 0.3127,  
0.3290

■ 47.2125, 0.4929,  
0.4261

■ 43.2154, 0.5136,  
0.4242

■ 40.1272, 0.5285,  
0.4186

# Harmonies

## Analogous

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



75.0182, 0.3768, 0.3515



75.0182, 0.3707, 0.3743



75.0182, 0.3487, 0.3862

# Triad

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



75.0182, 0.3707, 0.3743



75.0182, 0.2630, 0.3300



75.0182, 0.3051, 0.2827

# Complementary

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



75.0182, 0.3707, 0.3743



62.8744, 0.2616, 0.2789

# 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.



75.0182, 0.2759, 0.2760



75.0182, 0.3707, 0.3743



75.0182, 0.2526, 0.3012

# Square

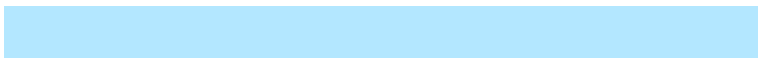
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.0182, 0.3707, 0.3743



75.0182, 0.2864, 0.3604



75.0182, 0.2572, 0.2821



75.0182, 0.3378, 0.3002

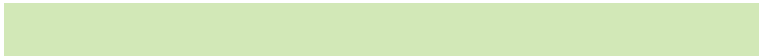


# Rectangle

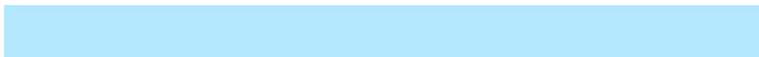
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.0182, 0.3707, 0.3743



75.0182, 0.3285, 0.3852



75.0182, 0.2572, 0.2821



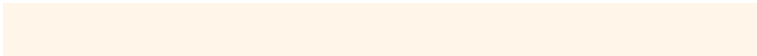
75.0182, 0.2945, 0.2791

# Sweetspot

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



75.0217, 0.3707, 0.3743



92.2054, 0.3272, 0.3414



56.6045, 0.3524, 0.2920



19.4765, 0.3297, 0.3434



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.



75.0217, 0.3707, 0.3743



70.5503, 0.3857, 0.3841



95.0917, 0.3575, 0.4084



19.6455, 0.3280, 0.3421



21.2771, 0.5262, 0.4204

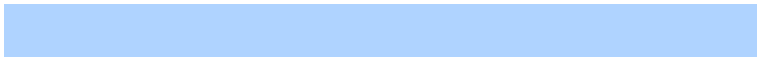


2.2900, 0.5107, 0.4327

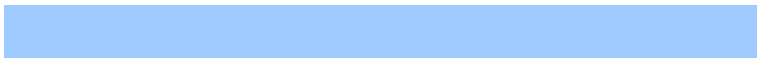


# Inverse Universe

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



62.8744, 0.2616, 0.2789



56.5708, 0.2504, 0.2662



47.4485, 0.2593, 0.2368



18.7217, 0.2979, 0.3156



10.4172, 0.1725, 0.1409



1.2287, 0.1785, 0.1626



# Previews

## White Background



This preview shows how the Yxy color 75.0182, 0.3707, 0.3743 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

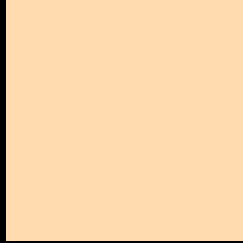
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.0182, 0.3707, 0.3743 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

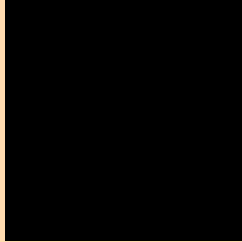
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.0182, 0.3707, 0.3743**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.0182, 0.3707, 0.3743.



This preview shows how white text looks on a background with the Yxy color 75.0182, 0.3707, 0.3743.

# 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

75.0182, 0.3707, 0.3743

### Protanopia

74.8364, 0.3556, 0.3792

### Deuteranopia

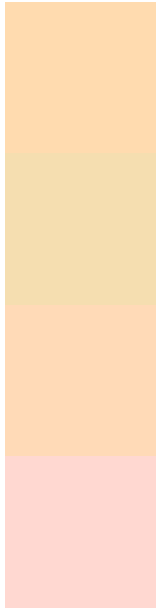
75.0336, 0.3616, 0.3599



## Tritanopia

74.9546, 0.3332, 0.3150

# Trichromacy



**Original Color**

75.0182, 0.3707, 0.3743

**Protanomaly**

74.7896, 0.3614, 0.3775

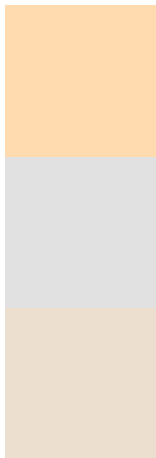
**Deuteranomaly**

74.8217, 0.3652, 0.3650

**Tritanomaly**

74.9752, 0.3467, 0.3362

# Monochromacy



**Original Color**

75.0182, 0.3707, 0.3743

**Achromatopsia**

75.2942, 0.3127, 0.3290

**Achromatomaly**

75.1132, 0.3328, 0.3460

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.0182, 0.3707, 0.3743 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, 175)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 175)  
}
```

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, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 175) }
```

## Border

The CSS property to change the border of an element to Yxy 75.0182, 0.3707, 0.3743 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, 175) }
```

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

```
.border{ border-color:rgb(255, 219, 175) }
```

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, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 219, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 219, 175); box-shadow:4px 4px 4px 4px rgb(255, 219, 175) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.0182, 0.3707, 0.3743 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, 175) }
```

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

```
.background{ background-color: rgb(255,  
219, 175) }
```

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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