

# Converting Colors

$Yxy(75.4339, 0.3624, 0.3624)$

Have a look what the booklet for  
Yxy(75.4339, 0.3624, 0.3624)  
contains.

<b>Yxy(75.4682, 0.3628, 0.3629)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(75.4682, 0.3628, 0.3629)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDBBA
RGB	255, 219, 186
RGB Percent	100%, 86%, 73%
CMY	0.0000, 0.1412, 0.2706
CMYK	0.00, 0.14, 0.27, 0.00
HSL	29°, 100%, 86%
HSV	29°, 27%, 100%
XYZ	75.4474, 75.4682, 57.0431
YIQ	226.0020, 32.0490, -2.6310

# Conversions

## Conversions Part 2

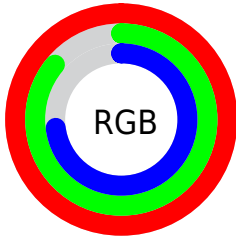
Format	Color
R <sub>Y</sub> B	255, 249, 186
Decimal	16767930
CIE Lab	89.61, 7.73, 20.86
CIE LCh	90, 22.247, 69.664
Yxy	75.4682, 0.3628, 0.3629
Android (android.graphics.Color)	4294958010 (0xFFFFDBBA)
YUV	226.0020, -19.7210, 25.4312
Hunter-Lab	86.8724, 2.9978, 21.8791

# Details

The Yxy color **75.4682, 0.3628, 0.3629** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **69.9068, 0.2695, 0.2925**, and the grayscale version is **76.1768, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1908, 0.3203, 0.3415**, and **40.1147, 0.3738, 0.3699** is the 20% darker color. If you saturate the color by 10%, you get **67.8046, 0.3861, 0.3760**, and if you desaturate by 10%, it is **83.8689, 0.3421, 0.3499**.

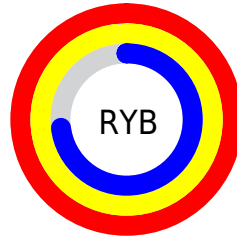
# Distribution



Red (100%)

Green (86%)

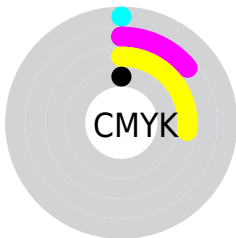
Blue (73%)



Red (100%)

Yellow (98%)

Blue (73%)

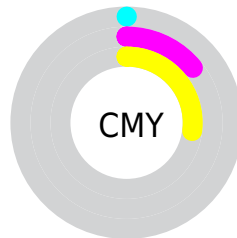


Cyan (0%)

Magenta (14%)

Yellow (27%)

Black (0%)



Cyan (0%)

Magenta (14%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.4682, 0.3628, 0.3629 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 75.4682, 0.3628, 0.3629 by changing the saturation by 10% instead.



 75.4682, 0.3628,  
0.3629

 75.4682, 0.3628,  
0.3629

479.5253, 0.3397,  
0.3477

 55.9965, 0.3680,  
0.3662

 126.9749, 0.3548,  
0.3577

 40.2002, 0.3745,  
0.3703


159.7787, 0.3517,  
0.3557

 27.6946, 0.3826,  
0.3752


197.7954, 0.3490,  
0.3539

 18.0956, 0.3932,  
0.3815

241.4093, 0.3466,  
0.3524

 11.0186, 0.4073,  
0.3896

291.0049, 0.3446,  
0.3510

 6.0794, 0.4270,  
0.4002

346.9665, 0.3428,

 2.8934, 0.4562,

0.3498

0.4142

409.6785, 0.3411,  
0.3487

1.0763, 0.5380,  
0.4620

0.0000, 1.0000,  
0.0000

75.4682, 0.3628,  
0.3629

75.4682, 0.3628,  
0.3629

67.8046, 0.3861,  
0.3760

83.8689, 0.3421,  
0.3499

60.8723, 0.4119,  
0.3885

93.0461, 0.3240,  
0.3374

54.6409, 0.4398,  
0.3995

100.0000, 0.3127,  
0.3290

49.0840, 0.4687,  
0.4077

■ 44.1728, 0.4970,  
0.4118

■ 39.8755, 0.5228,  
0.4107

■ 36.1551, 0.5444,  
0.4040

■ 35.1589, 0.5501,  
0.4014

# Harmonies

## Analogous

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



75.4682, 0.3642, 0.3430



75.4682, 0.3628, 0.3629



75.4682, 0.3475, 0.3748

# Triad

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



75.4682, 0.3628, 0.3629



75.4682, 0.2753, 0.3359



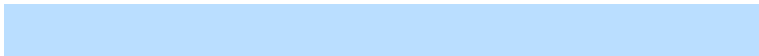
75.4682, 0.3005, 0.2883

# Complementary

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



75.4682, 0.3628, 0.3629



69.9068, 0.2695, 0.2925

# 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.



75.4682, 0.2779, 0.2853



75.4682, 0.3628, 0.3629



75.4682, 0.2638, 0.3114

# Square

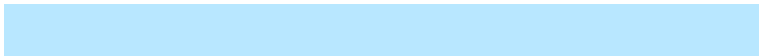
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.4682, 0.3628, 0.3629



75.4682, 0.2968, 0.3595



75.4682, 0.2647, 0.2932



75.4682, 0.3274, 0.3011



# Rectangle

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



75.4682, 0.3628, 0.3629



75.4682, 0.3319, 0.3758



75.4682, 0.2647, 0.2932



75.4682, 0.2922, 0.2861

# Sweetspot

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



75.4624, 0.3628, 0.3629



92.1493, 0.3256, 0.3385



61.6942, 0.3408, 0.2916



19.4199, 0.3282, 0.3404



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.



75.4624, 0.3628, 0.3629



71.5867, 0.3740, 0.3694



94.8664, 0.3543, 0.3948



19.4199, 0.3282, 0.3404



18.6662, 0.5475, 0.4035

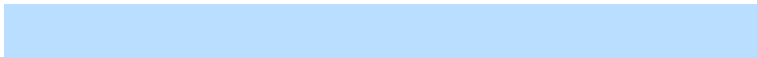


2.0346, 0.5291, 0.4181

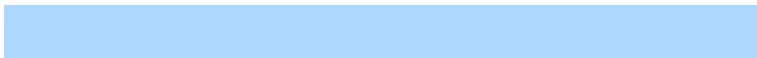


# Inverse Universe

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



69.9068, 0.2695, 0.2925



65.2546, 0.2614, 0.2847



53.7533, 0.2656, 0.2534



18.9465, 0.2979, 0.3173



12.8508, 0.1791, 0.1648

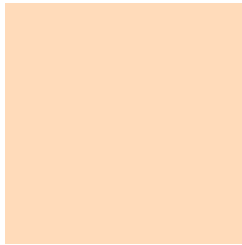


1.4701, 0.1847, 0.1847



# Previews

## White Background



This preview shows how the Yxy color 75.4682, 0.3628, 0.3629 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

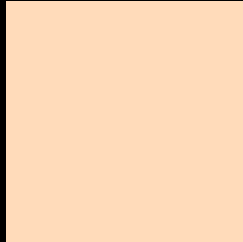
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.4682, 0.3628, 0.3629 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 75.4682, 0.3628, 0.3629**

## Background



This preview shows how black text looks on a background with the Yxy color 75.4682, 0.3628, 0.3629.



This preview shows how white text looks on a background with the Yxy color 75.4682, 0.3628, 0.3629.

# 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

75.4682, 0.3628, 0.3629

### Protanopia

75.7017, 0.3463, 0.3674

### Deuteranopia

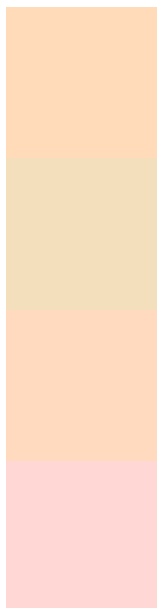
75.2978, 0.3572, 0.3537



## Tritanopia

75.5180, 0.3324, 0.3150

# Trichromacy



## Original Color

75.4682, 0.3628, 0.3629

## Protanomaly

75.6393, 0.3520, 0.3658

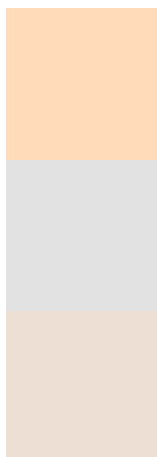
## Deuteranomaly

75.1644, 0.3594, 0.3568

## Tritanomaly

75.1758, 0.3438, 0.3321

# Monochromacy



## Original Color

75.4682, 0.3628, 0.3629

## Achromatopsia

76.0525, 0.3127, 0.3290

## Achromatomaly

75.4830, 0.3308, 0.3417

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.4682, 0.3628, 0.3629 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, 186)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 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, 219, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 75.4682, 0.3628, 0.3629 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, 186) }
```

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

```
.border{ border-color:rgb(255, 219, 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, 219, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 219, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 219, 186);  
box-shadow:4px 4px 4px 4px rgb(255, 219,  
186) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.4682, 0.3628, 0.3629 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, 186) }
```

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

```
.background{ background-color: rgb(255,  
219, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor