

# Converting Colors

$Y_{xy}(75.9282, 0.3665, 0.3702)$

Have a look what the booklet for  
Yxy(75.9282, 0.3665, 0.3702)  
contains.

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# Color

**Yxy(75.7417, 0.3668, 0.3701)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDCB4
RGB	255, 220, 180
RGB Percent	100%, 86%, 71%
CMY	0.0001, 0.1372, 0.2941
CMYK	0.00, 0.14, 0.29, 0.00
HSL	32°, 100%, 85%
HSV	32°, 29%, 100%
XYZ	75.0663, 75.7417, 53.8439
YIQ	225.9050, 33.7000, -5.0200

# Conversions

## Conversions Part 2

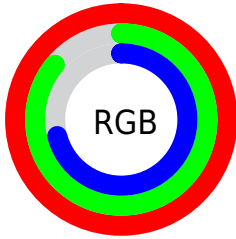
Format	Color
R <sub>Y</sub> B	246, 255, 180
Decimal	16768180
CIE Lab	89.74, 6.40, 24.15
CIE LCh	90, 24.986, 75.155
Yxy	75.7417, 0.3668, 0.3701
Android (android.graphics.Color)	4294958260 (0xFFFFDCB4)
YUV	225.9050, -22.6312, 25.5163
Hunter-Lab	87.0297, 1.6609, 24.2390

# Details

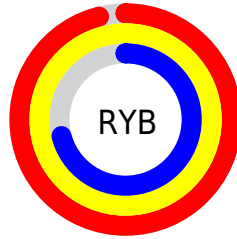
The Yxy color **75.7417, 0.3668, 0.3701** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **65.5088, 0.2651, 0.2840**, and the grayscale version is **76.1304, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8361, 0.3238, 0.3473**, and **40.3129, 0.3790, 0.3790** is the 20% darker color. If you saturate the color by 10%, you get **68.7774, 0.3896, 0.3845**, and if you desaturate by 10%, it is **83.3482, 0.3462, 0.3556**.

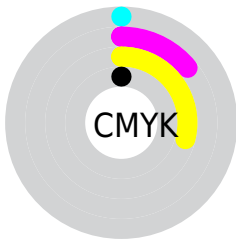
# Distribution



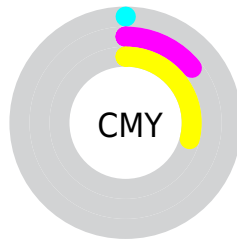
- Red (100%)
- Green (86%)
- Blue (71%)



- Red (96%)
- Yellow (100%)
- Blue (71%)



- Cyan (0%)
- Magenta (14%)
- Yellow (29%)
- Black (0%)



- Cyan (0%)
- Magenta (14%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.7417, 0.3668, 0.3701 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 75.7417, 0.3668, 0.3701 by changing the saturation by 10% instead.




 75.7417, 0.3668,  
0.3701

 75.7417, 0.3668,  
0.3701


480.4630, 0.3419,  
0.3517

 56.2207, 0.3724,  
0.3741

 127.3617, 0.3582,  
0.3638

 40.3799, 0.3793,  
0.3790


160.2296, 0.3549,  
0.3614

 27.8349, 0.3879,  
0.3851


198.3151, 0.3520,  
0.3592

 18.2012, 0.3991,  
0.3926

242.0029, 0.3494,  
0.3573

 11.0946, 0.4138,  
0.4023

291.6771, 0.3472,  
0.3557

 6.1305, 0.4341,  
0.4150

347.7223, 0.3452,

 2.9246, 0.4649,

0.3542

0.4329

410.5228, 0.3435,  
0.3529

■ 1.0925, 0.5293,  
0.4707

■ 0.0000, 1.0000,  
0.0000

■ 75.7417, 0.3668,  
0.3701

■ 75.7417, 0.3668,  
0.3701

■ 68.7774, 0.3896,  
0.3845

■ 83.3482, 0.3462,  
0.3556

■ 62.4252, 0.4144,  
0.3981

■ 91.6050, 0.3279,  
0.3416

■ 56.6675, 0.4405,  
0.4098

99.9964, 0.3127,  
0.3290

■ 51.4818, 0.4669,  
0.4184

■ 46.8433, 0.4919,  
0.4226

■ 42.7239, 0.5141,  
0.4214

■ 39.0860, 0.5325,  
0.4150

■ 38.8827, 0.5336,  
0.4145

# Harmonies

## Analogous

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



75.7417, 0.3716, 0.3489



75.7417, 0.3668, 0.3701



75.7417, 0.3472, 0.3815

# Triad

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



75.7417, 0.3668, 0.3701



75.7417, 0.2676, 0.3314



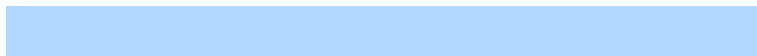
75.7417, 0.3043, 0.2856

# Complementary

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



75.7417, 0.3668, 0.3701



65.5088, 0.2651, 0.2840

# 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.



75.7417, 0.2777, 0.2799



75.7417, 0.3668, 0.3701



75.7417, 0.2573, 0.3046

# Square

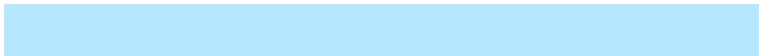
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.7417, 0.3668, 0.3701



75.7417, 0.2898, 0.3590



75.7417, 0.2608, 0.2863



75.7417, 0.3345, 0.3014



# Rectangle

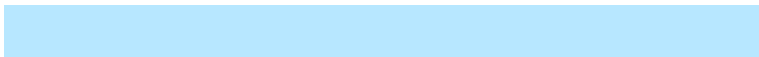
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.7417, 0.3668, 0.3701



75.7417, 0.3288, 0.3809



75.7417, 0.2608, 0.2863



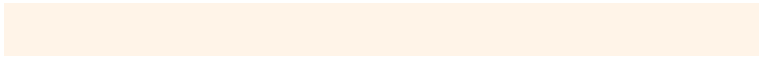
75.7417, 0.2947, 0.2824

# Sweetspot

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



75.7452, 0.3668, 0.3701



91.9691, 0.3272, 0.3410



58.8062, 0.3481, 0.2932



19.4183, 0.3297, 0.3430



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.



75.7452, 0.3668, 0.3701



71.7818, 0.3793, 0.3782



95.5890, 0.3556, 0.4032



19.5923, 0.3281, 0.3417



20.6224, 0.5312, 0.4164



2.2267, 0.5149, 0.4293

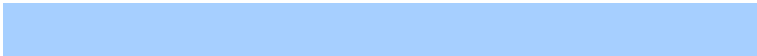


# Inverse Universe

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



65.5088, 0.2651, 0.2840



60.1072, 0.2557, 0.2739



49.8690, 0.2623, 0.2432



18.7743, 0.2979, 0.3160



10.9498, 0.1740, 0.1463



1.2823, 0.1799, 0.1677



# Previews

## White Background



This preview shows how the Yxy color 75.7417, 0.3668, 0.3701 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

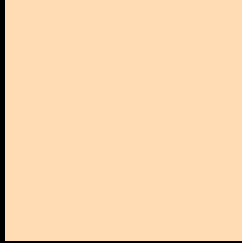
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.7417, 0.3668, 0.3701 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

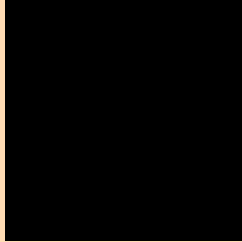
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.7417, 0.3668, 0.3701**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.7417, 0.3668, 0.3701.



This preview shows how white text looks on a background with the Yxy color 75.7417, 0.3668, 0.3701.

# 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

75.7417, 0.3668, 0.3701

### Protanopia

75.6200, 0.3512, 0.3737

### Deuteranopia

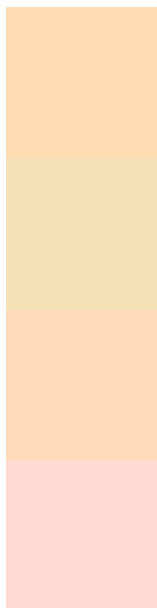
75.7288, 0.3584, 0.3567



## Tritanopia

75.5180, 0.3324, 0.3150

# Trichromacy



## Original Color

75.7417, 0.3668, 0.3701

## Protanomaly

75.5652, 0.3570, 0.3721

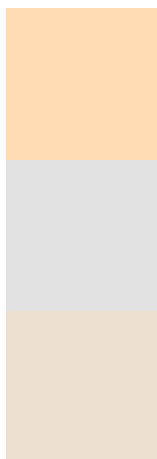
## Deuteranomaly

75.5539, 0.3613, 0.3609

## Tritanomaly

75.5889, 0.3450, 0.3352

# Monochromacy



## Original Color

75.7417, 0.3668, 0.3701

## Achromatopsia

76.0525, 0.3127, 0.3290

## Achromatomaly

75.9193, 0.3320, 0.3449

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.7417, 0.3668, 0.3701 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, 220, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 180)  
}
```

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, 220, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 180) }
```

## Border

The CSS property to change the border of an element to Yxy 75.7417, 0.3668, 0.3701 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, 220, 180) }
```

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

```
.border{ border-color:rgb(255, 220, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 220, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 220, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 220, 180); box-shadow:4px 4px 4px 4px rgb(255, 220, 180) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.7417, 0.3668, 0.3701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 220, 180) }
```

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

```
.background{ background-color: rgb(255,  
220, 180) }
```

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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