

# Converting Colors

$Y_{xy}(76.0263, 0.3604, 0.3631)$

Have a look what the booklet for  
Yxy(76.0263, 0.3604, 0.3631)  
contains.

<b>Yxy(75.8451, 0.3610, 0.3630)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# **Color**

**Yxy(75.8451, 0.3610, 0.3630)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEDCBB
RGB	254, 220, 187
RGB Percent	100%, 86%, 73%
CMY	0.0040, 0.1372, 0.2667
CMYK	0.00, 0.13, 0.26, 0.00
HSL	30°, 97%, 86%
HSV	30°, 26%, 100%
XYZ	75.4272, 75.8451, 57.6673
YIQ	226.4040, 30.8570, -3.0550

# Conversions

## Conversions Part 2

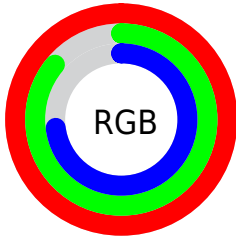
Format	Color
R <sub>Y</sub> B	254, 252, 187
Decimal	16702651
CIE Lab	89.79, 6.93, 20.58
CIE LCh	90, 21.713, 71.378
Yxy	75.8451, 0.3610, 0.3630
Android (android.graphics.Color)	4294892731 (0xFF FEDCBB)
YUV	226.4040, -19.4262, 24.2017
Hunter-Lab	87.0891, 2.1916, 21.7026

# Details

The Yxy color **75.8451, 0.3610, 0.3630** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **69.3981, 0.2705, 0.2924**, and the grayscale version is **76.4871, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2511, 0.3197, 0.3405**, and **40.5018, 0.3724, 0.3699** is the 20% darker color. If you saturate the color by 10%, you get **68.3552, 0.3839, 0.3765**, and if you desaturate by 10%, it is **84.0548, 0.3407, 0.3496**.

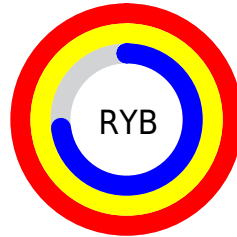
# Distribution



Red (100%)

Green (86%)

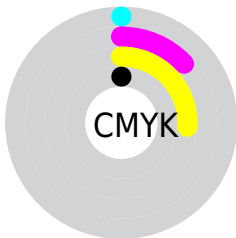
Blue (73%)



Red (100%)

Yellow (99%)

Blue (73%)

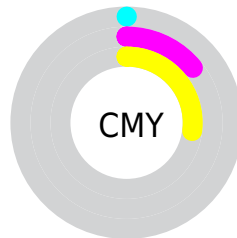


Cyan (0%)

Magenta (13%)

Yellow (26%)

Black (0%)



Cyan (0%)

Magenta (14%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.8451, 0.3610, 0.3630 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 75.8451, 0.3610, 0.3630 by changing the saturation by 10% instead.




 75.8451, 0.3610,  
0.3630

 75.8451, 0.3610,  
0.3630


480.8173, 0.3387,  
0.3477

 56.3055, 0.3660,  
0.3664


 127.5079, 0.3533,  
0.3578

 40.4479, 0.3723,  
0.3704


160.3999, 0.3503,  
0.3558

 27.8879, 0.3801,  
0.3754


198.5115, 0.3477,  
0.3540

 18.2412, 0.3902,  
0.3818

242.2271, 0.3455,  
0.3524

 11.1233, 0.4037,  
0.3900

291.9311, 0.3435,  
0.3510

 6.1498, 0.4227,  
0.4009

348.0079, 0.3417,

 2.9364, 0.4506,

0.3498

0.4155

410.8418, 0.3401,  
0.3487

■ 1.0986, 0.5326,  
0.4674

■ 0.0000, 1.0000,  
0.0000

■ 75.8451, 0.3610,  
0.3630

■ 75.8451, 0.3610,  
0.3630

■ 68.3552, 0.3839,  
0.3765

■ 84.0548, 0.3407,  
0.3496

■ 61.5527, 0.4092,  
0.3894

■ 92.9944, 0.3229,  
0.3368

■ 55.4182, 0.4364,  
0.4009

99.8060, 0.3121,  
0.3290

■ 49.9267, 0.4646,  
0.4097

■ 45.0514, 0.4922,  
0.4144

■ 40.7625, 0.5175,  
0.4140

■ 37.0252, 0.5387,  
0.4080

■ 35.7934, 0.5456,  
0.4050

# Harmonies

## Analogous

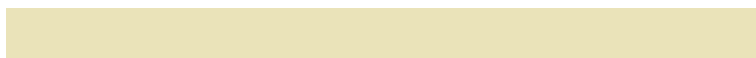
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.8451, 0.3632, 0.3439



75.8451, 0.3610, 0.3630



75.8451, 0.3455, 0.3739

# Triad

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



75.8451, 0.3610, 0.3630



75.8451, 0.2753, 0.3344



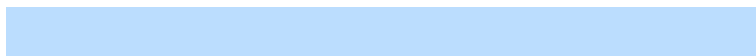
75.8451, 0.3023, 0.2898

# Complementary

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



75.8451, 0.3610, 0.3630



69.3981, 0.2705, 0.2924

# 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.



75.8451, 0.2798, 0.2862



75.8451, 0.3610, 0.3630



75.8451, 0.2647, 0.3107

# Square

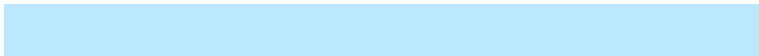
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.8451, 0.3610, 0.3630



75.8451, 0.2959, 0.3575



75.8451, 0.2663, 0.2934



75.8451, 0.3285, 0.3028



# Rectangle

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



75.8451, 0.3610, 0.3630



75.8451, 0.3300, 0.3744



75.8451, 0.2663, 0.2934



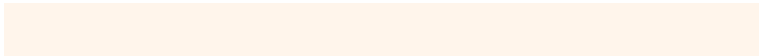
75.8451, 0.2941, 0.2875

# Sweetspot

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



75.8486, 0.3610, 0.3630



92.3340, 0.3256, 0.3388



61.8517, 0.3408, 0.2937



19.4664, 0.3282, 0.3407



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.



75.8486, 0.3610, 0.3630



72.2027, 0.3736, 0.3706



94.8139, 0.3530, 0.3941



19.4664, 0.3282, 0.3407



19.1690, 0.5431, 0.4070

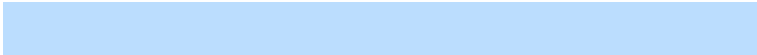


2.0845, 0.5252, 0.4212

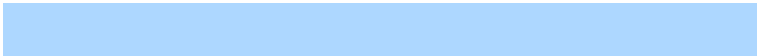


# Inverse Universe

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



69.3981, 0.2705, 0.2924



64.6297, 0.2612, 0.2832



53.7258, 0.2669, 0.2543



18.8998, 0.2979, 0.3170



12.3114, 0.1777, 0.1597

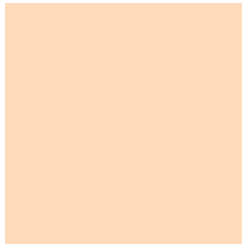


1.4174, 0.1834, 0.1801



# Previews

## White Background



This preview shows how the Yxy color 75.8451, 0.3610, 0.3630 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 75.8451, 0.3610, 0.3630 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

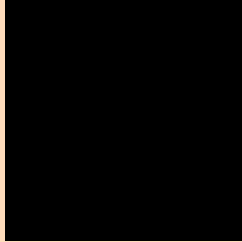
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.8451, 0.3610, 0.3630**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.8451, 0.3610, 0.3630.

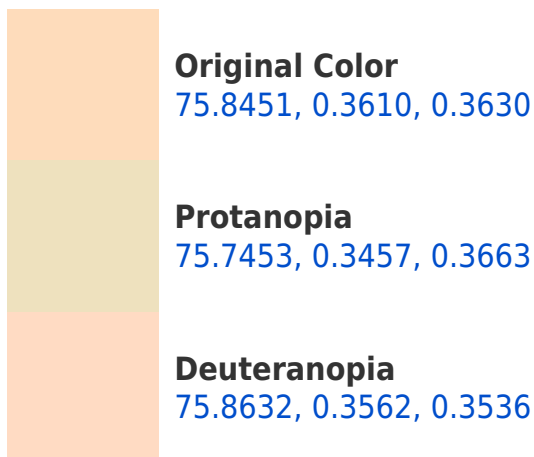


This preview shows how white text looks on a background with the Yxy color 75.8451, 0.3610, 0.3630.

# 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

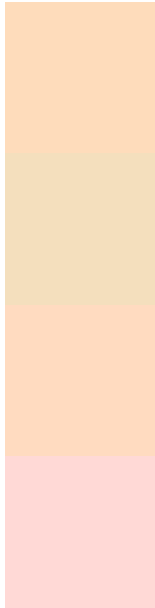




## Tritanopia

76.0849, 0.3316, 0.3151

# Trichromacy



**Original Color**

75.8451, 0.3610, 0.3630

**Protanomaly**

75.6826, 0.3513, 0.3648

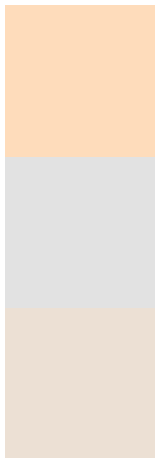
**Deuteranomaly**

75.7288, 0.3584, 0.3567

**Tritanomaly**

75.7407, 0.3429, 0.3321

# Monochromacy



**Original Color**

75.8451, 0.3610, 0.3630

**Achromatopsia**

76.0525, 0.3127, 0.3290

**Achromatomaly**

75.8976, 0.3293, 0.3417

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.8451, 0.3610, 0.3630 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(254, 220, 187)` looks like.

```
.text, #text, p{  
    color:rgb(254, 220, 187)  
}
```

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(254, 220, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 220, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 75.8451, 0.3610, 0.3630 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(254, 220, 187) }
```

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

```
.border{ border-color:rgb(254, 220, 187) }
```

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

Here you see how a box with a 4 pixel rgb(254, 220, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 220, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 220, 187);  
box-shadow:4px 4px 4px 4px rgb(254, 220,  
187) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.8451, 0.3610, 0.3630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 220, 187) }
```

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

```
.background{ background-color: rgb(254,  
220, 187) }
```

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