

# Converting Colors

$Y_{xy}(86.0388, 0.4057, 0.3674)$

Have a look what the booklet for  
Yxy(86.0388, 0.4057, 0.3674)  
contains.

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# Color

**Yxy(75.6207, 0.3690, 0.3732)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDCB1
RGB	255, 220, 177
RGB Percent	100%, 86%, 69%
CMY	0.0000, 0.1372, 0.3060
CMYK	0.00, 0.14, 0.31, 0.00
HSL	33°, 100%, 85%
HSV	33°, 31%, 100%
XYZ	74.7697, 75.6207, 52.2375
YIQ	225.5630, 34.6630, -5.9530

# Conversions

## Conversions Part 2

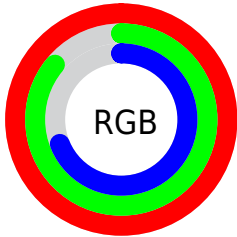
Format	Color
R <sub>Y</sub> B	240, 255, 177
Decimal	16768177
CIE Lab	89.68, 6.03, 25.64
CIE LCh	90, 26.344, 76.758
Yxy	75.6207, 0.3690, 0.3732
Android (android.graphics.Color)	4294958257 (0xFFFFDCB1)
YUV	225.5630, -23.9416, 25.8162
Hunter-Lab	86.9602, 1.2967, 25.2563

# Details

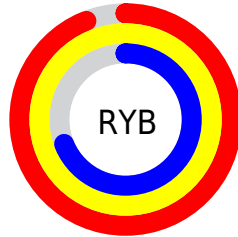
The Yxy color **75.6207, 0.3690, 0.3732** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **63.6375, 0.2629, 0.2802**, and the grayscale version is **75.8779, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6632, 0.3256, 0.3503**, and **40.2358, 0.3818, 0.3829** is the 20% darker color. If you saturate the color by 10%, you get **68.8988, 0.3917, 0.3880**, and if you desaturate by 10%, it is **82.9466, 0.3484, 0.3582**.

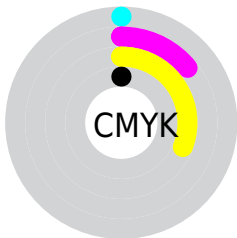
# Distribution



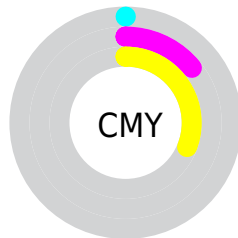
- Red (100%)
- Green (86%)
- Blue (69%)



- 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 75.6207, 0.3690, 0.3732 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 75.6207, 0.3690, 0.3732 by changing the saturation by 10% instead.




 75.6207, 0.3690,  
0.3732

 75.6207, 0.3690,  
0.3732

480.0483, 0.3431,  
0.3534

 56.1215, 0.3748,  
0.3775


 127.1906, 0.3601,  
0.3665

 40.3004, 0.3820,  
0.3828


160.0301, 0.3566,  
0.3638

 27.7728, 0.3909,  
0.3893


198.0852, 0.3536,  
0.3615

 18.1545, 0.4024,  
0.3974

241.7403, 0.3510,  
0.3595

 11.0610, 0.4175,  
0.4077

291.3798, 0.3486,  
0.3577

 6.1078, 0.4382,  
0.4211

347.3880, 0.3466,

 2.9108, 0.4708,

0.3561

0.4413

410.1494, 0.3448,  
0.3546

■ 1.0853, 0.5271,  
0.4729

■ 0.0000, 1.0000,  
0.0000

■ 75.6207, 0.3690,  
0.3732

■ 75.6207, 0.3690,  
0.3732

■ 68.8988, 0.3917,  
0.3880

■ 82.9466, 0.3484,  
0.3582

■ 62.7573, 0.4162,  
0.4018

■ 90.8893, 0.3299,  
0.3437

■ 57.1778, 0.4417,  
0.4136

■ 99.4672, 0.3136,  
0.3298

■ 52.1385, 0.4671,  
0.4221

■ 100.0000, 0.3127,  
0.3290

■ 47.6155, 0.4910,  
0.4261

■ 43.5817, 0.5119,  
0.4247

■ 40.1997, 0.5282,  
0.4188

# Harmonies

## Analogous

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



75.6207, 0.3750, 0.3512



75.6207, 0.3690, 0.3732



75.6207, 0.3476, 0.3846

# Triad

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



75.6207, 0.3690, 0.3732



75.6207, 0.2642, 0.3298



75.6207, 0.3055, 0.2840

# Complementary

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



75.6207, 0.3690, 0.3732



63.6375, 0.2629, 0.2802

# 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.



75.6207, 0.2770, 0.2774



75.6207, 0.3690, 0.3732



75.6207, 0.2542, 0.3019

# Square

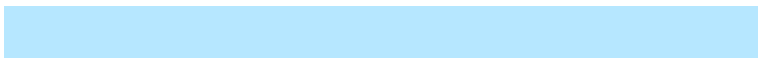
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.6207, 0.3690, 0.3732



75.6207, 0.2870, 0.3593



75.6207, 0.2587, 0.2833



75.6207, 0.3373, 0.3011



# Rectangle

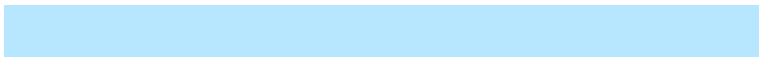
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.6207, 0.3690, 0.3732



75.6207, 0.3279, 0.3835



75.6207, 0.2587, 0.2833



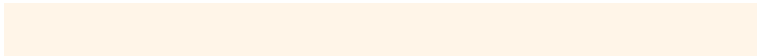
75.6207, 0.2952, 0.2805

# Sweetspot

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



75.6223, 0.3690, 0.3732



92.2163, 0.3272, 0.3414



57.4531, 0.3511, 0.2930



19.4792, 0.3297, 0.3435



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.



75.6223, 0.3690, 0.3732



71.2494, 0.3833, 0.3827



95.2210, 0.3564, 0.4064



19.6480, 0.3280, 0.3421



21.3079, 0.5260, 0.4206

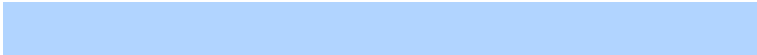


2.2929, 0.5105, 0.4329

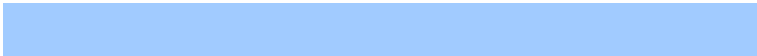


# Inverse Universe

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



63.6375, 0.2629, 0.2802



57.4577, 0.2521, 0.2681



48.4642, 0.2608, 0.2394



18.7192, 0.2979, 0.3155



10.3932, 0.1724, 0.1406



1.2263, 0.1784, 0.1624



# Previews

## White Background



This preview shows how the Yxy color 75.6207, 0.3690, 0.3732 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

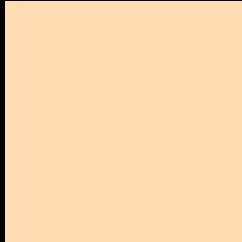
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.6207, 0.3690, 0.3732 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

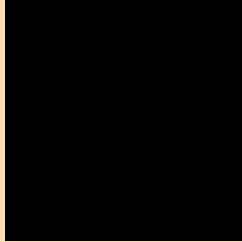
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.6207, 0.3690, 0.3732**

## Background



This preview shows how black text looks on a background with the Yxy color 75.6207, 0.3690, 0.3732.



This preview shows how white text looks on a background with the Yxy color 75.6207, 0.3690, 0.3732.

# 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

75.6207, 0.3690, 0.3732

### Protanopia

75.6304, 0.3548, 0.3779

### Deuteranopia

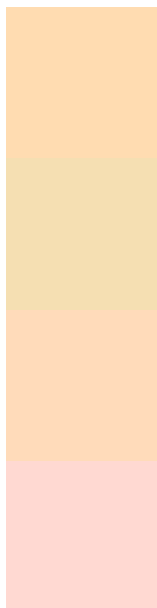
75.6846, 0.3591, 0.3578



## Tritanopia

75.5180, 0.3324, 0.3150

# Trichromacy



## Original Color

75.6207, 0.3690, 0.3732

## Protanomaly

75.4022, 0.3598, 0.3763

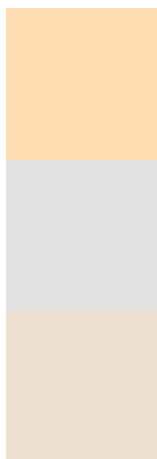
## Deuteranomaly

75.4682, 0.3628, 0.3629

## Tritanomaly

75.5389, 0.3458, 0.3362

# Monochromacy



## Original Color

75.6207, 0.3690, 0.3732

## Achromatopsia

76.0525, 0.3127, 0.3290

## Achromatomaly

75.8699, 0.3327, 0.3459

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.6207, 0.3690, 0.3732 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, 177)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 177)  
}
```

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, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 75.6207, 0.3690, 0.3732 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, 177) }
```

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

```
.border{ border-color:rgb(255, 220, 177) }
```

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, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 177);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
177) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.6207, 0.3690, 0.3732 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, 177) }
```

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

```
.background{ background-color: rgb(255,  
220, 177) }
```

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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