

# Converting Colors

$Y_{xy}(73.2632, 0.3666, 0.3629)$

Have a look what the booklet for  
Yxy(73.2632, 0.3666, 0.3629)  
contains.

<b>Yxy(73.2383, 0.3668, 0.3631)</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(73.2383, 0.3668, 0.3631)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFD7B6
RGB	255, 215, 182
RGB Percent	100%, 84%, 71%
CMY	0.0000, 0.1568, 0.2864
CMYK	0.00, 0.16, 0.29, 0.00
HSL	27°, 100%, 86%
HSV	27°, 29%, 100%
XYZ	73.9846, 73.2383, 54.4799
YIQ	223.1980, 34.4330, -1.7830

# Conversions

## Conversions Part 2

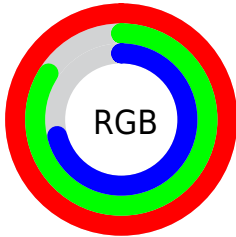
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 242, 182
Decimal	16766902
CIE Lab	88.56, 9.25, 21.50
CIE LCh	89, 23.405, 66.725
Yxy	73.2383, 0.3668, 0.3631
Android (android.graphics.Color)	4294956982 (0xFFFFD7B6)
YUV	223.1980, -20.3106, 27.8904
Hunter-Lab	85.5794, 4.5519, 22.1615

# Details

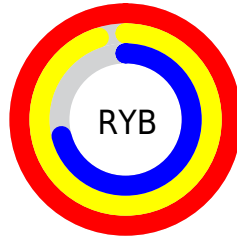
The Yxy color **73.2383, 0.3668, 0.3631** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **69.3906, 0.2672, 0.2922**, and the grayscale version is **74.0681, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.9530, 0.3226, 0.3454**, and **38.5969, 0.3793, 0.3701** is the 20% darker color. If you saturate the color by 10%, you get **65.4676, 0.3910, 0.3755**, and if you desaturate by 10%, it is **81.8112, 0.3454, 0.3507**.

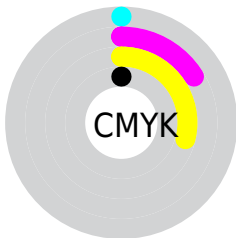
# Distribution



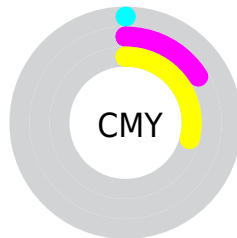
- Red (100%)
- Green (84%)
- Blue (71%)



- Red (100%)
- Yellow (95%)
- Blue (71%)



- Cyan (0%)
- Magenta (16%)
- Yellow (29%)
- Black (0%)




- Cyan (0%)
- Magenta (16%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.2383, 0.3668, 0.3631 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 73.2383, 0.3668, 0.3631 by changing the saturation by 10% instead.




 73.2383, 0.3668,  
0.3631

 73.2383, 0.3668,  
0.3631


471.8403, 0.3417,  
0.3478

 54.1708, 0.3725,  
0.3664


 123.8155, 0.3581,  
0.3579

 38.7383, 0.3796,  
0.3705

156.0939, 0.3547,  
0.3559

 26.5562, 0.3885,  
0.3754


193.5449, 0.3518,  
0.3541

 17.2402, 0.4001,  
0.3816

236.5527, 0.3492,  
0.3525

 10.4059, 0.4157,  
0.3896

285.5017, 0.3470,  
0.3512

 5.6689, 0.4376,  
0.3998

340.7764, 0.3450,

 2.6448, 0.4713,

0.3499

0.4139

402.7611, 0.3433,  
0.3488

0.9492, 0.5499,  
0.4501

0.0000, 1.0000,  
0.0000

73.2383, 0.3668,  
0.3631

73.2383, 0.3668,  
0.3631

65.4676, 0.3910,  
0.3755

81.8112, 0.3454,  
0.3507

58.4690, 0.4180,  
0.3872

91.2061, 0.3268,  
0.3388

52.2171, 0.4471,  
0.3972

100.0000, 0.3127,  
0.3290

46.6826, 0.4772,  
0.4042

■ 41.8341, 0.5066,  
0.4070

■ 37.6362, 0.5331,  
0.4045

■ 34.0457, 0.5550,  
0.3966

■ 33.5976, 0.5578,  
0.3953

# Harmonies

## Analogous

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



73.2383, 0.3668, 0.3415



73.2383, 0.3668, 0.3631



73.2383, 0.3518, 0.3770

# Triad

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



73.2383, 0.3668, 0.3631



73.2383, 0.2749, 0.3390



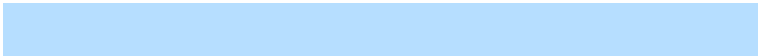
73.2383, 0.2971, 0.2851

# Complementary

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



73.2383, 0.3668, 0.3631



69.3906, 0.2672, 0.2922

# 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.



73.2383, 0.2738, 0.2829



73.2383, 0.3668, 0.3631



73.2383, 0.2615, 0.3126

# Square

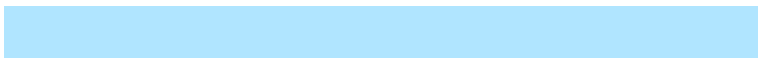
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.2383, 0.3668, 0.3631



73.2383, 0.2984, 0.3636



73.2383, 0.2612, 0.2924



73.2383, 0.3255, 0.2978



# Rectangle

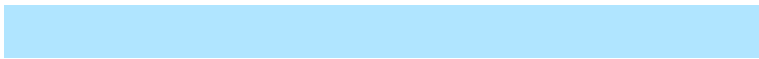
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.2383, 0.3668, 0.3631



73.2383, 0.3357, 0.3791



73.2383, 0.2612, 0.2924



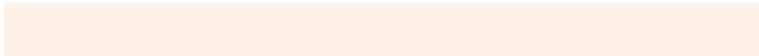
73.2383, 0.2884, 0.2831

# Sweetspot

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



73.2398, 0.3668, 0.3631



90.8496, 0.3274, 0.3392



59.9882, 0.3418, 0.2881



19.1428, 0.3300, 0.3409



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.



73.2398, 0.3668, 0.3631



68.9731, 0.3794, 0.3698



93.8490, 0.3571, 0.3976



19.3401, 0.3283, 0.3398



17.8445, 0.5550, 0.3975

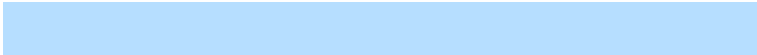


1.9522, 0.5357, 0.4128

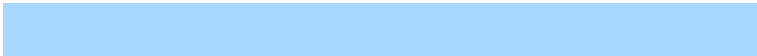


# Inverse Universe

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



69.3906, 0.2672, 0.2922



64.5803, 0.2585, 0.2841



52.1240, 0.2626, 0.2497



19.0270, 0.2979, 0.3180



13.8249, 0.1816, 0.1736

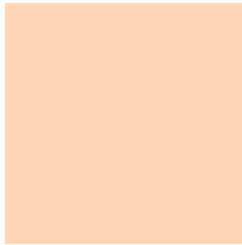


1.5645, 0.1869, 0.1928



# Previews

## White Background



This preview shows how the Yxy color 73.2383, 0.3668, 0.3631 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

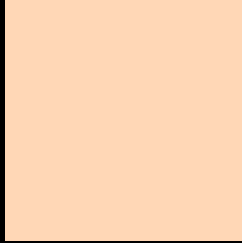
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.2383, 0.3668, 0.3631 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

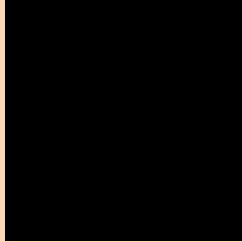
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.2383, 0.3668, 0.3631**

## Background



This preview shows how black text looks on a background with the Yxy color 73.2383, 0.3668, 0.3631.



This preview shows how white text looks on a background with the Yxy color 73.2383, 0.3668, 0.3631.

# 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

73.2383, 0.3668, 0.3631

### Protanopia

73.4075, 0.3475, 0.3689

### Deuteranopia

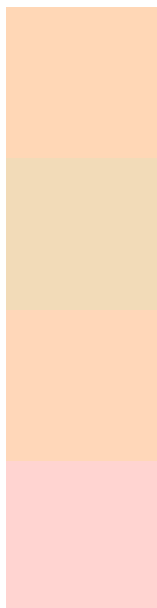
73.4060, 0.3638, 0.3589



## Tritanopia

73.2848, 0.3358, 0.3150

# Trichromacy



## Original Color

73.2383, 0.3668, 0.3631

## Protanomaly

73.0010, 0.3542, 0.3663

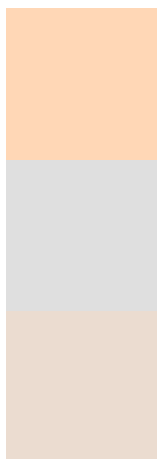
## Deuteranomaly

73.3637, 0.3646, 0.3600

## Tritanomaly

72.9504, 0.3474, 0.3322

# Monochromacy



## Original Color

73.2383, 0.3668, 0.3631

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

73.4026, 0.3318, 0.3418

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.2383, 0.3668, 0.3631 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, 215, 182)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 182)  
}
```

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, 215, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 73.2383, 0.3668, 0.3631 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, 215, 182) }
```

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

```
.border{ border-color:rgb(255, 215, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 215, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 215, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 215, 182);  
box-shadow:4px 4px 4px 4px rgb(255, 215,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.2383, 0.3668, 0.3631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 215, 182) }
```

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

```
.background{ background-color: rgb(255,  
215, 182) }
```

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