

# Converting Colors

$Yxy(72.8636, 0.3695, 0.3662)$

Have a look what the booklet for  
Yxy(72.8636, 0.3695, 0.3662)  
contains.

<b>Yxy(73.1156, 0.3690, 0.3662)</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(73.1156, 0.3690, 0.3662)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD7B3
RGB	255, 215, 179
RGB Percent	100%, 84%, 70%
CMY	0.0000, 0.1568, 0.2981
CMYK	0.00, 0.16, 0.30, 0.00
HSL	28°, 100%, 85%
HSV	28°, 30%, 100%
XYZ	73.6746, 73.1156, 52.8700
YIQ	222.8560, 35.3960, -2.7160

# Conversions

## Conversions Part 2

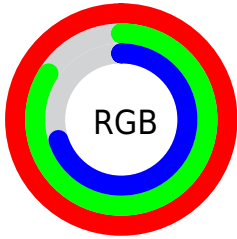
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 247, 179
Decimal	16766899
CIE Lab	88.50, 8.86, 22.98
CIE LCh	89, 24.627, 68.922
Yxy	73.1156, 0.3690, 0.3662
Android (android.graphics.Color)	4294956979 (0xFFFFD7B3)
YUV	222.8560, -21.6210, 28.1903
Hunter-Lab	85.5077, 4.1598, 23.1959

# Details

The Yxy color  $73.1156, 0.3690, 0.3662$  is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be  $67.4512, 0.2651, 0.2885$ , and the grayscale version is  $73.8230, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $98.7782, 0.3244, 0.3483$ , and  $38.5183, 0.3822, 0.3740$  is the 20% darker color. If you saturate the color by 10%, you get  $65.6263, 0.3931, 0.3791$ , and if you desaturate by 10%, it is  $81.3626, 0.3476, 0.3532$ .

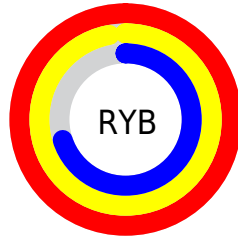
# Distribution



Red (100%)

Green (84%)

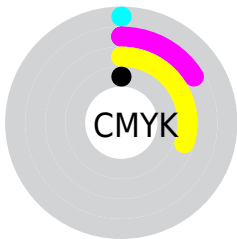
Blue (70%)



Red (100%)

Yellow (97%)

Blue (70%)

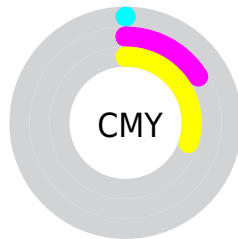


Cyan (0%)

Magenta (16%)

Yellow (30%)

Black (0%)



Cyan (0%)

Magenta (16%)


Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.1156, 0.3690, 0.3662 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 73.1156, 0.3690, 0.3662 by changing the saturation by 10% instead.




 73.1156, 0.3690,  
0.3662

 73.1156, 0.3690,  
0.3662


471.4154, 0.3429,  
0.3495

 54.0705, 0.3750,  
0.3698


 123.6413, 0.3599,  
0.3605

 38.6580, 0.3823,  
0.3742


155.8907, 0.3564,  
0.3583

 26.4938, 0.3915,  
0.3796


193.3103, 0.3534,  
0.3564

 17.1934, 0.4035,  
0.3864

236.2845, 0.3507,  
0.3547

 10.3725, 0.4195,  
0.3950

285.1977, 0.3484,  
0.3532

 5.6466, 0.4419,  
0.4061

340.4343, 0.3463,

 2.6314, 0.4775,

0.3518

0.4224

402.3788, 0.3445,  
0.3506

0.9425, 0.5476,  
0.4524

0.0000, 1.0000,  
0.0000

73.1156, 0.3690,  
0.3662

73.1156, 0.3690,  
0.3662

65.6263, 0.3931,  
0.3791

81.3626, 0.3476,  
0.3532

58.8607, 0.4197,  
0.3912

90.3799, 0.3288,  
0.3407

52.7968, 0.4482,  
0.4014

99.9991, 0.3127,  
0.3290

47.4072, 0.4773,  
0.4085

■ 42.6622, 0.5053,  
0.4112

■ 38.5283, 0.5303,  
0.4085

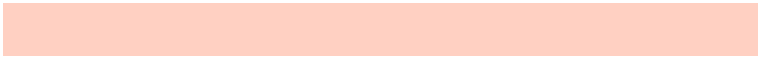
■ 34.9608, 0.5510,  
0.4006

■ 34.8969, 0.5514,  
0.4004

# Harmonies

## Analogous

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



73.1156, 0.3703, 0.3438



73.1156, 0.3690, 0.3662



73.1156, 0.3521, 0.3801

# Triad

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



73.1156, 0.3690, 0.3662



73.1156, 0.2715, 0.3374



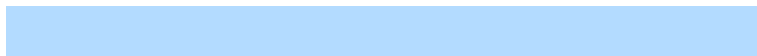
73.1156, 0.2983, 0.2836

# Complementary

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



73.1156, 0.3690, 0.3662



67.4512, 0.2651, 0.2885

# 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.



73.1156, 0.2733, 0.2803



73.1156, 0.3690, 0.3662



73.1156, 0.2584, 0.3098

# Square

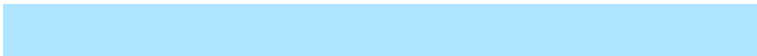
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.1156, 0.3690, 0.3662



73.1156, 0.2956, 0.3639



73.1156, 0.2591, 0.2893



73.1156, 0.3283, 0.2975



# Rectangle

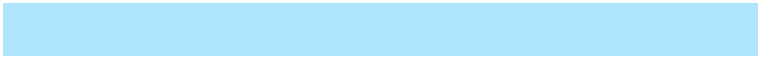
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.1156, 0.3690, 0.3662



73.1156, 0.3348, 0.3817



73.1156, 0.2591, 0.2893



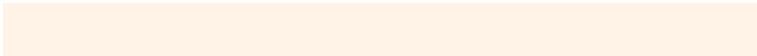
73.1156, 0.2890, 0.2812

# Sweetspot

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



73.1190, 0.3690, 0.3662



91.1463, 0.3274, 0.3397



58.6366, 0.3444, 0.2877



19.2157, 0.3299, 0.3415



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.



73.1190, 0.3690, 0.3662



68.3949, 0.3836, 0.3742



94.4244, 0.3586, 0.4015



19.4069, 0.3282, 0.3403



18.5292, 0.5487, 0.4025

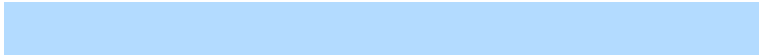


2.0210, 0.5302, 0.4173

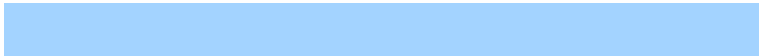


# Inverse Universe

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



67.4512, 0.2651, 0.2885



61.8620, 0.2550, 0.2786



50.0621, 0.2601, 0.2445



18.9595, 0.2979, 0.3174



13.0048, 0.1795, 0.1662



1.4851, 0.1850, 0.1860



# Previews

## White Background



This preview shows how the Yxy color 73.1156, 0.3690, 0.3662 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

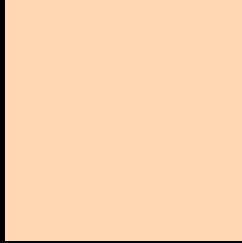
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.1156, 0.3690, 0.3662 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 73.1156, 0.3690, 0.3662**

## Background



This preview shows how black text looks on a background with the Yxy color 73.1156, 0.3690, 0.3662.






This preview shows how white text looks on a background with the Yxy color 73.1156, 0.3690, 0.3662.

# 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

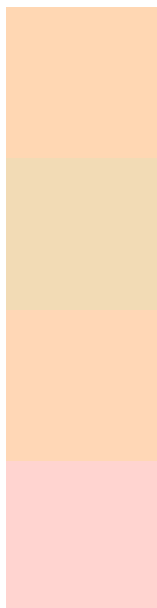
	<b>Original Color</b> 73.1156, 0.3690, 0.3662
	<b>Protanopia</b> 73.2821, 0.3496, 0.3722
	<b>Deuteranopia</b> 73.3216, 0.3653, 0.3610



## Tritanopia

73.2303, 0.3365, 0.3160

# Trichromacy



## Original Color

73.1156, 0.3690, 0.3662

## Protanomaly

72.8765, 0.3564, 0.3695

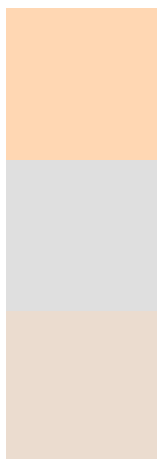
## Deuteranomaly

73.2383, 0.3668, 0.3631

## Tritanomaly

72.9010, 0.3481, 0.3332

# Monochromacy



## Original Color

73.1156, 0.3690, 0.3662

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

73.3536, 0.3325, 0.3429

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.1156, 0.3690, 0.3662 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, 179)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 179)  
}
```

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, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 73.1156, 0.3690, 0.3662 is called "border". The border property can be set on classes, ids or directly on the HTML element.

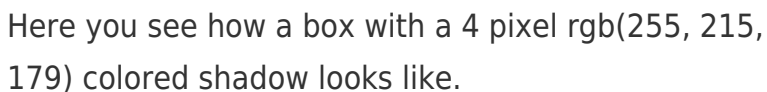
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 215, 179) }
```

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

```
.border{ border-color:rgb(255, 215, 179) }
```

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, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 215, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 215, 179); box-shadow:4px 4px 4px 4px rgb(255, 215, 179) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.1156, 0.3690, 0.3662 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, 179) }
```

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

```
.background{ background-color: rgb(255,  
215, 179) }
```

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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