

# Converting Colors

$Y_{xy}(72.3641, 0.3836, 0.3867)$

Have a look what the booklet for  
Yxy(72.3641, 0.3836, 0.3867)  
contains.

<b>Yxy(72.3641, 0.3836, 0.3867)</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(72.3641, 0.3836, 0.3867)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD79F
RGB	255, 215, 159
RGB Percent	100%, 84%, 62%
CMY	0.0002, 0.1568, 0.3765
CMYK	0.00, 0.16, 0.38, 0.00
HSL	35°, 100%, 81%
HSV	35°, 38%, 100%
XYZ	71.7840, 72.3641, 42.9843
YIQ	220.5760, 41.8160, -8.9360

# Conversions

## Conversions Part 2

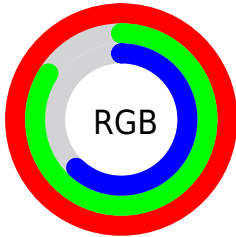
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	228, 255, 159
Decimal	16766879
CIE <sub>Lab</sub>	88.14, 6.44, 32.84
CIE <sub>LCh</sub>	88, 33.467, 78.901
Yxy	72.3641, 0.3836, 0.3867
Android (android.graphics.Color)	4294956959 (0xFFFFD79F)
YUV	220.5760, -30.3570, 30.1898
Hunter-Lab	85.0671, 1.7601, 29.5878

# Details

The Yxy color  $72.3641, 0.3836, 0.3867$  is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be  $55.3983, 0.2504, 0.2630$ , and the grayscale version is  $72.1872, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $97.6350, 0.3370, 0.3691$ , and  $38.0735, 0.4002, 0.3984$  is the 20% darker color. If you saturate the color by 10%, you get  $66.3424, 0.4068, 0.4017$ , and if you desaturate by 10%, it is  $78.9254, 0.3620, 0.3710$ .

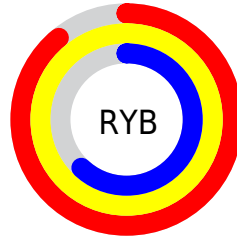
# Distribution



Red (100%)

Green (84%)

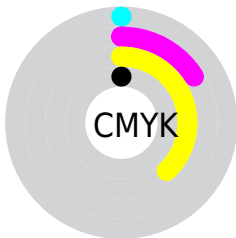
Blue (62%)



Red (89%)

Yellow (100%)

Blue (62%)

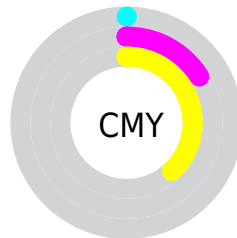


Cyan (0%)

Magenta (16%)

Yellow (38%)

Black (0%)



Cyan (0%)

Magenta (16%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.3641, 0.3836, 0.3867 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 72.3641, 0.3836, 0.3867 by changing the saturation by 10% instead.




 72.3641, 0.3836,  
0.3867

 72.3641, 0.3836,  
0.3867


468.8079, 0.3509,  
0.3608

 53.4562, 0.3909,  
0.3923


 122.5740, 0.3724,  
0.3780

 38.1670, 0.3998,  
0.3990


 154.6448, 0.3680,  
0.3745

 26.1124, 0.4109,  
0.4072


191.8720, 0.3642,  
0.3715

 16.9077, 0.4249,  
0.4172

234.6400, 0.3608,  
0.3688

 10.1687, 0.4430,  
0.4296

283.3332, 0.3579,  
0.3665

 5.5110, 0.4667,  
0.4444

338.3360, 0.3553,

 2.5501, 0.5194,

0.3644

0.4806

400.0328, 0.3530,  
0.3625

■ 0.9016, 0.5323,  
0.4677

■ 0.0000, 0.0000,  
0.0000

■ 72.3641, 0.3836,  
0.3867

■ 72.3641, 0.3836,  
0.3867

■ 66.3424, 0.4068,  
0.4017

■ 78.9254, 0.3620,  
0.3710

■ 60.8324, 0.4309,  
0.4149

■ 86.0328, 0.3424,  
0.3553

■ 55.8179, 0.4551,  
0.4252

■ 93.7057, 0.3248,  
0.3401

■ 51.2778, 0.4780,  
0.4313

99.9900, 0.3127,  
0.3290

■ 47.1881, 0.4983,  
0.4323

■ 43.5189, 0.5150,  
0.4279

■ 42.7039, 0.5187,  
0.4264

# Harmonies

## Analogous

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



72.3641, 0.3934, 0.3586



72.3641, 0.3836, 0.3867



72.3641, 0.3545, 0.4013

# Triad

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



72.3641, 0.3836, 0.3867



72.3641, 0.2493, 0.3266



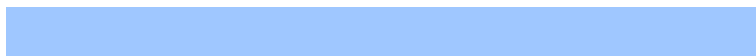
72.3641, 0.3060, 0.2732

# Complementary

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



72.3641, 0.3836, 0.3867



55.3983, 0.2504, 0.2630

# 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.



72.3641, 0.2692, 0.2636



72.3641, 0.3836, 0.3867



72.3641, 0.2382, 0.2913

# Square

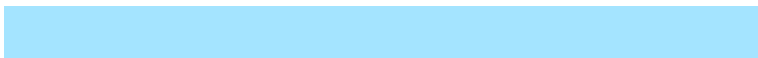
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.3641, 0.3836, 0.3867



72.3641, 0.2769, 0.3660



72.3641, 0.2452, 0.2694



72.3641, 0.3470, 0.2954



# Rectangle

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



72.3641, 0.3836, 0.3867



72.3641, 0.3288, 0.3994



72.3641, 0.2452, 0.2694



72.3641, 0.2927, 0.2685

# Sweetspot

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



72.3675, 0.3836, 0.3867



91.1016, 0.3305, 0.3451



50.1689, 0.3665, 0.2876



19.2751, 0.3329, 0.3472



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

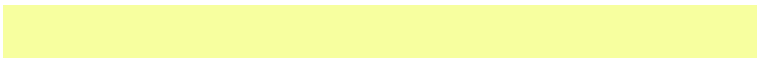
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.3675, 0.3836, 0.3867



67.9103, 0.4005, 0.3979



93.7551, 0.3639, 0.4247



19.7496, 0.3280, 0.3429



22.6257, 0.5166, 0.4280



2.4188, 0.5024, 0.4393



# Inverse Universe

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



55.3983, 0.2504, 0.2630



48.7813, 0.2377, 0.2473



40.2280, 0.2487, 0.2157



18.6195, 0.2979, 0.3147



9.4478, 0.1696, 0.1306



1.1296, 0.1758, 0.1528



# Previews

## White Background



This preview shows how the Yxy color 72.3641, 0.3836, 0.3867 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

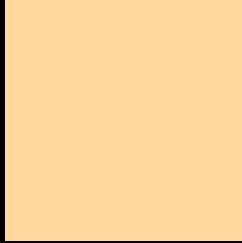
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.3641, 0.3836, 0.3867 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

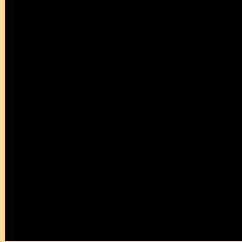
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.3641, 0.3836, 0.3867**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.3641, 0.3836, 0.3867.



This preview shows how white text looks on a background with the Yxy color 72.3641, 0.3836, 0.3867.

# 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

72.3641, 0.3836, 0.3867

### Protanopia

72.4987, 0.3661, 0.3924

### Deuteranopia

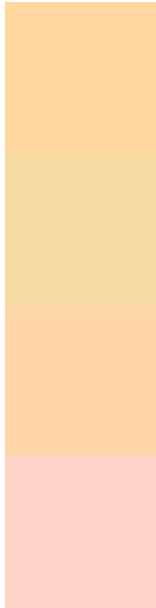
72.4091, 0.3730, 0.3704



## Tritanopia

72.1349, 0.3382, 0.3159

# Trichromacy



**Original Color**

72.3641, 0.3836, 0.3867

**Protanomaly**

72.4693, 0.3721, 0.3904

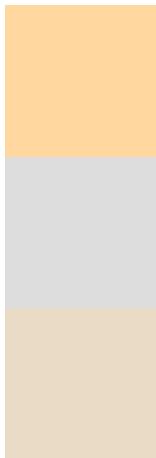
**Deuteranomaly**

72.2177, 0.3767, 0.3755

**Tritanomaly**

71.9721, 0.3551, 0.3414

# Monochromacy



**Original Color**

72.3641, 0.3836, 0.3867

**Achromatopsia**

72.3055, 0.3127, 0.3290

**Achromatomaly**

72.0639, 0.3374, 0.3517

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.3641, 0.3836, 0.3867 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, 159)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 159)  
}
```

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, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 72.3641, 0.3836, 0.3867 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, 159) }
```

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

```
.border{ border-color:rgb(255, 215, 159) }
```

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, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 215, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 215, 159);  
box-shadow:4px 4px 4px 4px rgb(255, 215,  
159) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.3641, 0.3836, 0.3867 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, 159) }
```

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

```
.background{ background-color: rgb(255,  
215, 159) }
```

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