

# Converting Colors

$Y_{xy}(94.9579, 0.4528, 0.3758)$

Have a look what the booklet for  
Yxy(94.9579, 0.4528, 0.3758)  
contains.

<b>Yxy(73.2523, 0.3857, 0.3926)</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(73.2523, 0.3857, 0.3926)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD99B
RGB	255, 217, 155
RGB Percent	100%, 85%, 61%
CMY	0.0001, 0.1490, 0.3921
CMYK	0.00, 0.15, 0.39, 0.00
HSL	37°, 100%, 80%
HSV	37°, 39%, 100%
XYZ	71.9649, 73.2523, 41.3653
YIQ	221.2940, 42.5500, -11.2260

# Conversions

## Conversions Part 2

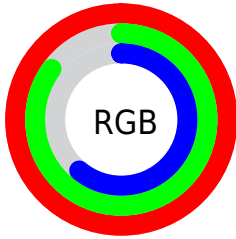
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	216, 255, 155
Decimal	16767387
CIE Lab	88.57, 5.00, 35.44
CIE LCh	89, 35.789, 81.976
Yxy	73.2523, 0.3857, 0.3926
Android (android.graphics.Color)	4294957467 (0xFFFFD99B)
YUV	221.2940, -32.6829, 29.5602
Hunter-Lab	85.5876, 0.3105, 31.2558

# Details

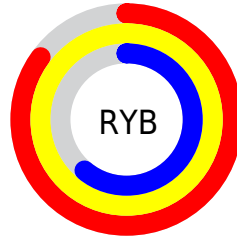
The Yxy color **73.2523, 0.3857, 0.3926** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **52.3241, 0.2470, 0.2553**, and the grayscale version is **72.7373, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4331, 0.3394, 0.3731**, and **38.6903, 0.4026, 0.4057** is the 20% darker color. If you saturate the color by 10%, you get **67.6399, 0.4081, 0.4082**, and if you desaturate by 10%, it is **79.3455, 0.3645, 0.3761**.

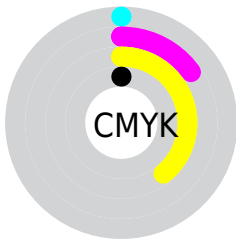
# Distribution



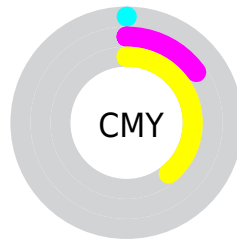
- Red (100%)
- Green (85%)
- Blue (61%)



- Red (85%)
- Yellow (100%)
- Blue (61%)



- Cyan (0%)
- Magenta (15%)
- Yellow (39%)
- Black (0%)




- Cyan (0%)
- Magenta (15%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.2523, 0.3857, 0.3926 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 73.2523, 0.3857, 0.3926 by changing the saturation by 10% instead.




 73.2523, 0.3857,  
0.3926


 73.2523, 0.3857,  
0.3926


471.8888, 0.3523,  
0.3641

 54.1823, 0.3931,  
0.3987


 123.8353, 0.3743,  
0.3830

 38.7474, 0.4021,  
0.4061

 156.1171, 0.3698,  
0.3792

 26.5633, 0.4132,  
0.4151


193.5716, 0.3659,  
0.3758

 17.2455, 0.4271,  
0.4260

236.5833, 0.3625,  
0.3729

 10.4097, 0.4448,  
0.4394

285.5364, 0.3595,  
0.3703

 5.6714, 0.4673,  
0.4552

340.8154, 0.3568,

 2.6463, 0.5120,

0.3680

0.4880

402.8048, 0.3544,  
0.3660

0.9500, 0.5219,  
0.4781

0.0000, 0.0000,  
0.0000

73.2523, 0.3857,  
0.3926

73.2523, 0.3857,  
0.3926

67.6399, 0.4081,  
0.4082

79.3455, 0.3645,  
0.3761

62.4814, 0.4310,  
0.4218

85.9245, 0.3450,  
0.3594

57.7626, 0.4535,  
0.4323

93.0071, 0.3274,  
0.3432

53.4633, 0.4744,  
0.4384

99.9960, 0.3127,  
0.3290

■ 49.5611, 0.4924,  
0.4393

■ 46.0240, 0.5070,  
0.4352

■ 45.7548, 0.5081,  
0.4347

# Harmonies

## Analogous

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



73.2523, 0.3988, 0.3636



73.2523, 0.3857, 0.3926



73.2523, 0.3530, 0.4066

# Triad

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



73.2523, 0.3857, 0.3926



73.2523, 0.2433, 0.3220



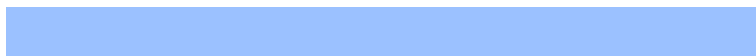
73.2523, 0.3099, 0.2718

# Complementary

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



73.2523, 0.3857, 0.3926



52.3241, 0.2470, 0.2553

# 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.



73.2523, 0.2699, 0.2601



73.2523, 0.3857, 0.3926



73.2523, 0.2335, 0.2856

# Square

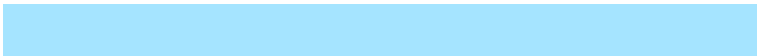
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.2523, 0.3857, 0.3926



73.2523, 0.2709, 0.3644



73.2523, 0.2429, 0.2642



73.2523, 0.3534, 0.2963



# Rectangle

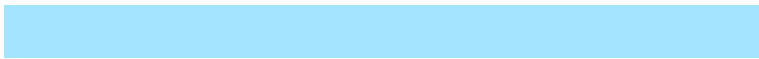
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.2523, 0.3857, 0.3926



73.2523, 0.3252, 0.4030



73.2523, 0.2429, 0.2642



73.2523, 0.2956, 0.2663

# Sweetspot

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



73.2557, 0.3857, 0.3926



90.9909, 0.3321, 0.3477



48.5715, 0.3729, 0.2893



19.2755, 0.3344, 0.3498



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.



73.2557, 0.3857, 0.3926



68.8494, 0.4031, 0.4049



92.9850, 0.3636, 0.4294



19.8636, 0.3279, 0.3437



24.2095, 0.5063, 0.4362



2.5681, 0.4937, 0.4462



# Inverse Universe

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



52.3241, 0.2470, 0.2553



45.2978, 0.2333, 0.2374



38.8498, 0.2478, 0.2109



18.5085, 0.2979, 0.3138



8.4907, 0.1667, 0.1200



1.0294, 0.1729, 0.1425



# Previews

## White Background



This preview shows how the Yxy color 73.2523, 0.3857, 0.3926 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

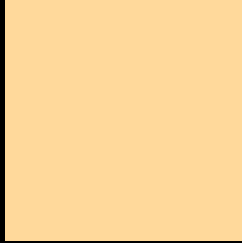
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.2523, 0.3857, 0.3926 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 73.2523, 0.3857, 0.3926**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.2523, 0.3857, 0.3926.

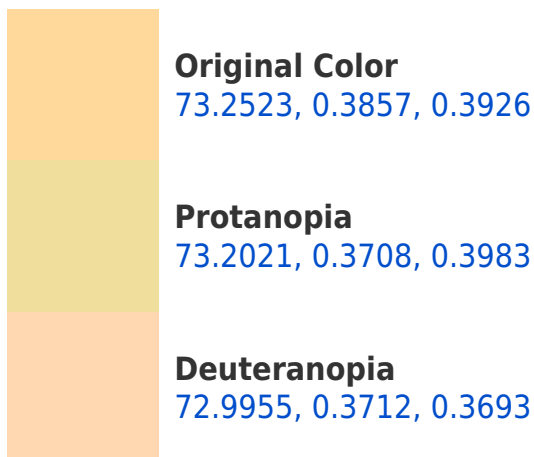


This preview shows how white text looks on a background with the Yxy color 73.2523, 0.3857, 0.3926.

# 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

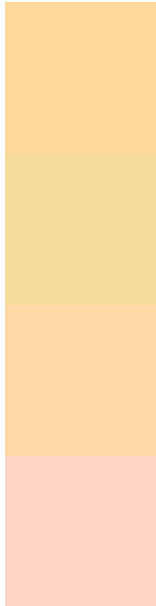




## Tritanopia

73.2303, 0.3365, 0.3160

# Trichromacy



**Original Color**

73.2523, 0.3857, 0.3926

**Protanomaly**

72.9992, 0.3761, 0.3964

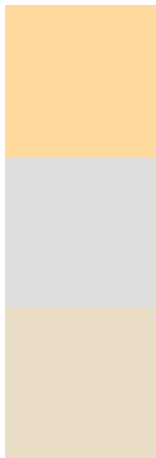
**Deuteranomaly**

73.1989, 0.3768, 0.3785

**Tritanomaly**

72.9720, 0.3546, 0.3435

# Monochromacy



**Original Color**

73.2523, 0.3857, 0.3926

**Achromatopsia**

72.3055, 0.3127, 0.3290

**Achromatomaly**

72.5413, 0.3379, 0.3539

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.2523, 0.3857, 0.3926 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, 217, 155)` looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 155)  
}
```

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, 217, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 155) }
```

## Border

The CSS property to change the border of an element to Yxy 73.2523, 0.3857, 0.3926 is called "border". The border property can be set on classes, ids or directly on the HTML element.

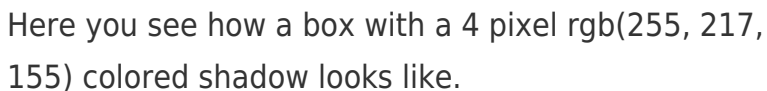
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 217, 155) }
```

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

```
.border{ border-color:rgb(255, 217, 155) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 217, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 217, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 217, 155);  
box-shadow:4px 4px 4px 4px rgb(255, 217,  
155) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.2523, 0.3857, 0.3926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 217, 155) }
```

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

```
.background{ background-color: rgb(255,  
217, 155) }
```

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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