

# Converting Colors

$Yxy(73.5884, 0.3716, 0.3969)$

Have a look what the booklet for  
Yxy(73.5884, 0.3716, 0.3969)  
contains.

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# **Color**

**Yxy(73.5884, 0.3716, 0.3969)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2DE9E
RGB	242, 222, 158
RGB Percent	95%, 87%, 62%
CMY	0.0512, 0.1293, 0.3804
CMYK	0.00, 0.08, 0.35, 0.05
HSL	46°, 76%, 78%
HSV	46°, 35%, 95%
XYZ	68.8976, 73.5884, 42.9219
YIQ	220.6840, 32.4640, -15.6640

# Conversions

## Conversions Part 2

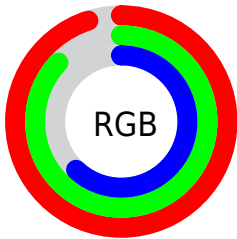
Format	Color
<a href="#">RYB</a>	<a href="#">184, 242, 158</a>
Decimal	<a href="#">15916702</a>
CIELab	<a href="#">88.73, -2.26, 33.92</a>
CIELCh	<a href="#">89, 33.994, 93.815</a>
Yxy	<a href="#">73.5884, 0.3716, 0.3969</a>
Android (android.graphics.Color)	<a href="#">4294106782</a> ( <a href="#">0xFFFF2DE9E</a> )
YUV	<a href="#">220.6840, -30.9032, 18.6941</a>
Hunter-Lab	<a href="#">85.7837, -6.7583, 30.3828</a>

# Details

The Yxy color **73.5884, 0.3716, 0.3969** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **45.4900, 0.2531, 0.2502**, and the grayscale version is **72.2750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5841, 0.3376, 0.3701**, and **38.9923, 0.3848, 0.4119** is the 20% darker color. If you saturate the color by 10%, you get **69.8396, 0.3903, 0.4160**, and if you desaturate by 10%, it is **77.6119, 0.3534, 0.3770**.

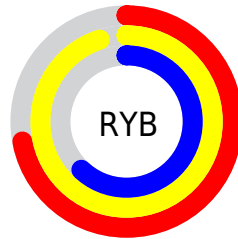
# Distribution



Red (95%)

Green (87%)

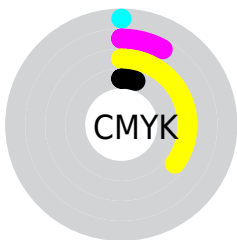
Blue (62%)



Red (72%)

Yellow (95%)

Blue (62%)

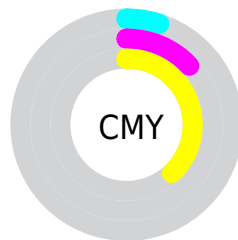


Cyan (0%)

Magenta (8%)

Yellow (35%)

Black (5%)



Cyan (5%)

Magenta (13%)


Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.5884, 0.3716, 0.3969 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 73.5884, 0.3716, 0.3969 by changing the saturation by 10% instead.





 73.5884, 0.3716,  
0.3969

 73.5884, 0.3716,  
0.3969

473.0516, 0.3449,  
0.3658

 54.4572, 0.3775,  
0.4038


 124.3122, 0.3625,  
0.3862

 38.9673, 0.3846,  
0.4122


 156.6735, 0.3589,  
0.3820

 26.7343, 0.3933,  
0.4227


194.2138, 0.3558,  
0.3784

 17.3738, 0.4042,  
0.4358

237.3173, 0.3530,  
0.3752

 10.5013, 0.4179,  
0.4526

286.3684, 0.3506,  
0.3725

 5.7326, 0.4350,  
0.4742

341.7515, 0.3485,

 2.6832, 0.4759,

0.3700

0.5241

403.8512, 0.3466,  
0.3678

0.9687, 0.4712,  
0.5288

0.0000, 0.0000,  
0.0000

73.5884, 0.3716,  
0.3969

73.5884, 0.3716,  
0.3969

69.8396, 0.3903,  
0.4160

77.6119, 0.3534,  
0.3770

66.3447, 0.4088,  
0.4334

81.9098, 0.3360,  
0.3571

63.0953, 0.4263,  
0.4480

86.4947, 0.3198,  
0.3378

60.0784, 0.4420,  
0.4588

91.3754, 0.3050,  
0.3194

■ 57.2788, 0.4551,  
0.4649

■ 94.9181, 0.3048,  
0.3248

■ 54.6784, 0.4652,  
0.4662

■ 97.6079, 0.3047,  
0.3290

■ 53.3655, 0.4696,  
0.4654

# Harmonies

## Analogous

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



73.5884, 0.3922, 0.3741



73.5884, 0.3716, 0.3969



73.5884, 0.3358, 0.4017

# Triad

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



73.5884, 0.3716, 0.3969



73.5884, 0.2408, 0.3076



73.5884, 0.3267, 0.2825

# Complementary

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



73.5884, 0.3716, 0.3969



45.4900, 0.2531, 0.2502

# 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.



73.5884, 0.2860, 0.2660



73.5884, 0.3716, 0.3969



73.5884, 0.2387, 0.2779

# Square

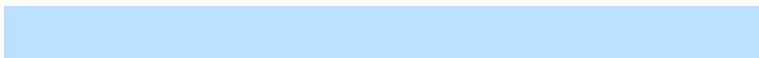
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.5884, 0.3716, 0.3969



73.5884, 0.2609, 0.3470



73.5884, 0.2546, 0.2639



73.5884, 0.3657, 0.3096

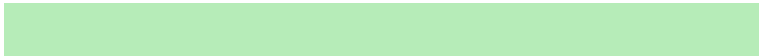


# Rectangle

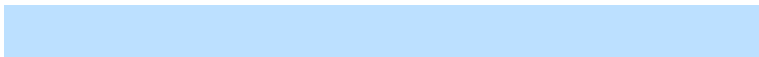
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.5884, 0.3716, 0.3969



73.5884, 0.3086, 0.3918



73.5884, 0.2546, 0.2639



73.5884, 0.3127, 0.2756

# Sweetspot

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



73.5918, 0.3716, 0.3969



94.6640, 0.3283, 0.3480



46.5778, 0.3743, 0.3061



20.1072, 0.3306, 0.3507



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.



73.5918, 0.3716, 0.3969



79.7548, 0.3855, 0.4112



81.3079, 0.3500, 0.4202



17.7860, 0.3274, 0.3469



28.9036, 0.4686, 0.4662



2.5558, 0.4607, 0.4724



# Inverse Universe

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



45.4900, 0.2531, 0.2502



43.5168, 0.2389, 0.2298



40.4458, 0.2652, 0.2290



15.8377, 0.2980, 0.3104



5.2140, 0.1573, 0.0864



0.5825, 0.1641, 0.1106



# Previews

## White Background



This preview shows how the Yxy color 73.5884, 0.3716, 0.3969 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 73.5884, 0.3716, 0.3969 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

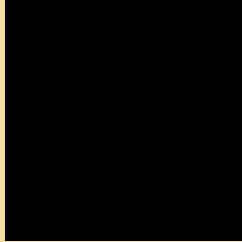
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.5884, 0.3716, 0.3969**

## Background



This preview shows how black text looks on a background with the Yxy color 73.5884, 0.3716, 0.3969.



This preview shows how white text looks on a background with the Yxy color 73.5884, 0.3716, 0.3969.

# 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

73.5884, 0.3716, 0.3969

### Protanopia

73.7692, 0.3698, 0.3982

### Deuteranopia

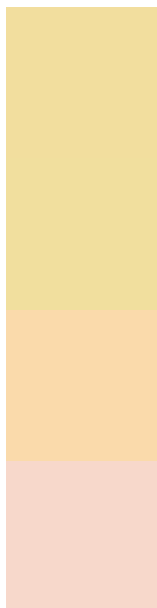
73.5861, 0.3694, 0.3682



## Tritanopia

73.5696, 0.3289, 0.3128

# Trichromacy



## Original Color

73.5884, 0.3716, 0.3969

## Protanomaly

73.9447, 0.3705, 0.3980

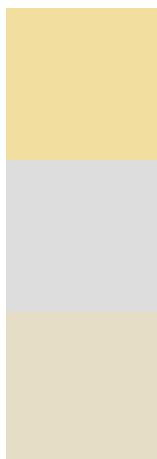
## Deuteranomaly

73.4071, 0.3700, 0.3781

## Tritanomaly

73.1977, 0.3449, 0.3426

# Monochromacy



## Original Color

73.5884, 0.3716, 0.3969

## Achromatopsia

72.3055, 0.3127, 0.3290

## Achromatomaly

72.4481, 0.3341, 0.3541

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.5884, 0.3716, 0.3969 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(242, 222, 158)` looks like.

```
.text, #text, p{  
    color:rgb(242, 222, 158)  
}
```

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(242, 222, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 222, 158) }
```

## Border

The CSS property to change the border of an element to Yxy 73.5884, 0.3716, 0.3969 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(242, 222, 158) }
```

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

```
.border{ border-color:rgb(242, 222, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 222, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(242, 222, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(242, 222, 158); box-shadow:4px 4px 4px 4px rgb(242, 222, 158) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.5884, 0.3716, 0.3969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 222, 158) }
```

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

```
.background{ background-color: rgb(242,  
222, 158) }
```

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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