

# Converting Colors

$Yxy(73.5586, 0.3676, 0.3944)$

Have a look what the booklet for  
Yxy(73.5586, 0.3676, 0.3944)  
contains.

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# Color

**Yxy(73.3410, 0.3680, 0.3941)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0DEA1
RGB	240, 222, 161
RGB Percent	94%, 87%, 63%
CMY	0.0589, 0.1294, 0.3686
CMYK	0.00, 0.07, 0.33, 0.06
HSL	46°, 72%, 79%
HSV	46°, 33%, 94%
XYZ	68.4839, 73.3410, 44.2726
YIQ	220.4280, 30.3090, -15.1550

# Conversions

## Conversions Part 2

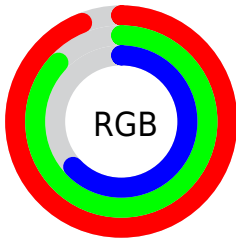
Format	Color
R <sub>Y</sub> B	184, 240, 161
Decimal	15785633
CIE Lab	88.61, -2.66, 32.19
CIE LCh	89, 32.303, 94.716
Yxy	73.3410, 0.3680, 0.3941
Android (android.graphics.Color)	4293975713 (0xFFF0DEA1)
YUV	220.4280, -29.2980, 17.1646
Hunter-Lab	85.6394, -7.1265, 29.2967

# Details

The Yxy color **73.3410, 0.3680, 0.3941** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **46.1001, 0.2564, 0.2540**, and the grayscale version is **72.0784, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7379, 0.3358, 0.3671**, and **38.8088, 0.3802, 0.4086** is the 20% darker color. If you saturate the color by 10%, you get **69.7241, 0.3864, 0.4136**, and if you desaturate by 10%, it is **77.2210, 0.3500, 0.3739**.

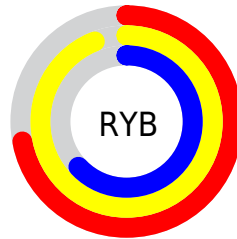
# Distribution



Red (94%)

Green (87%)

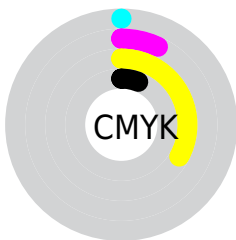
Blue (63%)



Red (72%)

Yellow (94%)

Blue (63%)

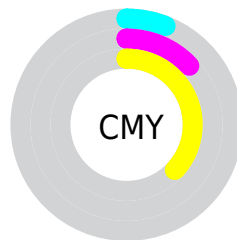


Cyan (0%)

Magenta (7%)

Yellow (33%)

Black (6%)



Cyan (6%)

Magenta (13%)


Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.3410, 0.3680, 0.3941 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 73.3410, 0.3680, 0.3941 by changing the saturation by 10% instead.



 73.3410, 0.3680,  
0.3941

 73.3410, 0.3680,  
0.3941


472.1958, 0.3429,  
0.3642

 54.2548, 0.3736,  
0.4008


 123.9612, 0.3594,  
0.3838

 38.8054, 0.3803,  
0.4090


 156.2640, 0.3560,  
0.3798

 26.6084, 0.3886,  
0.4191


193.7411, 0.3531,  
0.3763

 17.2793, 0.3990,  
0.4320

236.7770, 0.3505,  
0.3732

 10.4339, 0.4121,  
0.4486

285.7560, 0.3483,  
0.3706

 5.6876, 0.4289,  
0.4704

341.0626, 0.3463,

 2.6560, 0.4739,

0.3682

0.5261

403.0810, 0.3445,  
0.3661

■ 0.9549, 0.4683,  
0.5317

■ 0.0000, 0.0000,  
0.0000

■ 73.3410, 0.3680,  
0.3941

■ 73.3410, 0.3680,  
0.3941

■ 69.7241, 0.3864,  
0.4136

■ 77.2210, 0.3500,  
0.3739

■ 66.3500, 0.4048,  
0.4316

■ 81.3634, 0.3330,  
0.3539

■ 63.2109, 0.4222,  
0.4469

■ 85.7805, 0.3171,  
0.3345

■ 60.2944, 0.4379,  
0.4586

■ 90.3505, 0.3037,  
0.3180

■ 57.5862, 0.4511,  
0.4658

■ 93.6816, 0.3036,  
0.3234

■ 55.0694, 0.4614,  
0.4681

■ 97.1108, 0.3035,  
0.3287

■ 53.3810, 0.4671,  
0.4673

■ 97.2606, 0.3035,  
0.3290

# Harmonies

## Analogous

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



73.3410, 0.3880, 0.3730



73.3410, 0.3680, 0.3941



73.3410, 0.3336, 0.3978

# Triad

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



73.3410, 0.3680, 0.3941



73.3410, 0.2438, 0.3077



73.3410, 0.3273, 0.2852

# Complementary

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



73.3410, 0.3680, 0.3941



46.1001, 0.2564, 0.2540

# 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.



73.3410, 0.2884, 0.2691



73.3410, 0.3680, 0.3941



73.3410, 0.2423, 0.2798

# Square

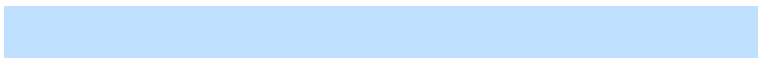
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.3410, 0.3680, 0.3941



73.3410, 0.2626, 0.3450



73.3410, 0.2580, 0.2667



73.3410, 0.3641, 0.3115

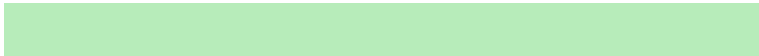


# Rectangle

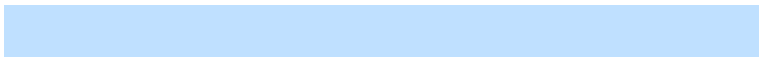
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.3410, 0.3680, 0.3941



73.3410, 0.3077, 0.3879



73.3410, 0.2580, 0.2667



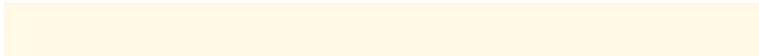
73.3410, 0.3140, 0.2785

# Sweetspot

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



73.3444, 0.3680, 0.3941



94.8200, 0.3283, 0.3482



47.2894, 0.3712, 0.3088



20.1451, 0.3306, 0.3510



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.



73.3444, 0.3680, 0.3941



81.5717, 0.3795, 0.4064



79.9258, 0.3472, 0.4156



17.8136, 0.3274, 0.3471



29.4387, 0.4662, 0.4681



2.5962, 0.4587, 0.4740



# Inverse Universe

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



46.1001, 0.2564, 0.2540



46.1521, 0.2445, 0.2369



41.7399, 0.2692, 0.2352



15.8120, 0.2980, 0.3102



5.0831, 0.1568, 0.0845



0.5683, 0.1634, 0.1084



# Previews

## White Background



This preview shows how the Yxy color 73.3410, 0.3680, 0.3941 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 73.3410, 0.3680, 0.3941 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

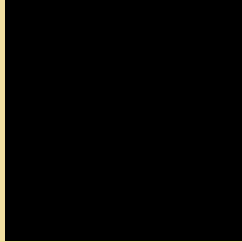
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.3410, 0.3680, 0.3941**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.3410, 0.3680, 0.3941.

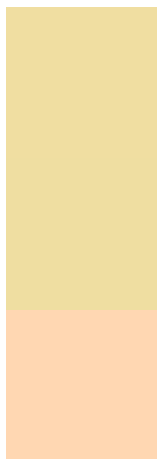


This preview shows how white text looks on a background with the Yxy color 73.3410, 0.3680, 0.3941.

# 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

73.3410, 0.3680, 0.3941

### Protanopia

73.1665, 0.3673, 0.3943

### Deuteranopia

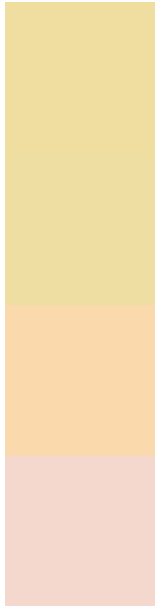
73.0752, 0.3697, 0.3672



## Tritanopia

73.2581, 0.3268, 0.3117

# Trichromacy



## Original Color

73.3410, 0.3680, 0.3941

## Protanomaly

73.1665, 0.3673, 0.3943

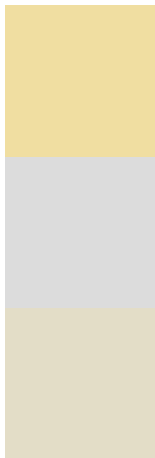
## Deuteranomaly

73.4454, 0.3693, 0.3770

## Tritanomaly

72.9320, 0.3420, 0.3406

# Monochromacy



## Original Color

73.3410, 0.3680, 0.3941

## Achromatopsia

71.5694, 0.3127, 0.3290

## Achromatomaly

72.1673, 0.3319, 0.3531

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.3410, 0.3680, 0.3941 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(240, 222, 161)` looks like.

```
.text, #text, p{  
    color:rgb(240, 222, 161)  
}
```

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(240, 222, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 222, 161) }
```

## Border

The CSS property to change the border of an element to Yxy 73.3410, 0.3680, 0.3941 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(240, 222, 161) }
```

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

```
.border{ border-color:rgb(240, 222, 161) }
```

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

Here you see how a box with a 4 pixel rgb(240, 222, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 222, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 222, 161);  
box-shadow:4px 4px 4px 4px rgb(240, 222,  
161) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.3410, 0.3680, 0.3941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 222, 161) }
```

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

```
.background{ background-color: rgb(240,  
222, 161) }
```

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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