

# Converting Colors

$Y_{xy}(74.4352, 0.3326, 0.3640)$

Have a look what the booklet for  
Yxy(74.4352, 0.3326, 0.3640)  
contains.

<b>Yxy(74.2953, 0.3331, 0.3641)</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(74.2953, 0.3331, 0.3641)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E1E2C2
RGB	225, 226, 194
RGB Percent	88%, 89%, 76%
CMY	0.1179, 0.1136, 0.2393
CMYK	0.00, 0.00, 0.14, 0.11
HSL	62°, 36%, 82%
HSV	62°, 14%, 89%
XYZ	67.9697, 74.2953, 61.7869
YIQ	222.0530, 9.6760, -10.1640

# Conversions

## Conversions Part 2

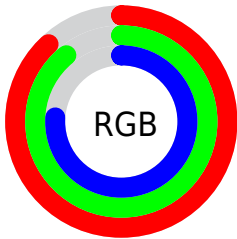
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 226, 195
Decimal	14803650
CIELab	89.06, -5.73, 15.56
CIELCh	89, 16.582, 110.208
Yxy	74.2953, 0.3331, 0.3641
Android (android.graphics.Color)	4292993730 (0xFFE1E2C2)
YUV	222.0530, -13.8301, 2.5845
Hunter-Lab	86.1947, -10.0828, 17.8355

# Details

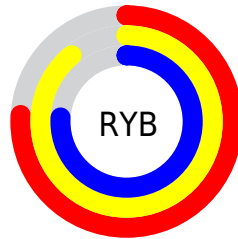
The Yxy color **74.2953, 0.3331, 0.3641** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **55.6805, 0.2908, 0.2915**, and the grayscale version is **73.1762, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.7450, 0.3150, 0.3328**, and **39.5653, 0.3384, 0.3733** is the 20% darker color. If you saturate the color by 10%, you get **73.2364, 0.3477, 0.3895**, and if you desaturate by 10%, it is **75.5158, 0.3186, 0.3391**.

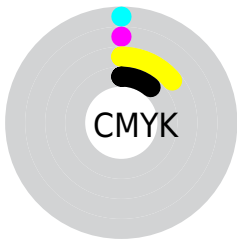
# Distribution



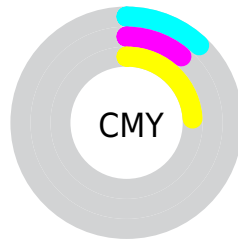
- Red (88%)
- Green (89%)
- Blue (76%)



- Red (76%)
- Yellow (89%)
- Blue (76%)



- Cyan (0%)
- Magenta (0%)
- Yellow (14%)
- Black (11%)



- Cyan (12%)
- Magenta (11%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.2953, 0.3331, 0.3641 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 74.2953, 0.3331, 0.3641 by changing the saturation by 10% instead.



■ 74.2953, 0.3331,  
0.3641

■ 74.2953, 0.3331,  
0.3641

■ 475.4919, 0.3238,  
0.3477

■ 55.0358, 0.3352,  
0.3679

■ 125.3143, 0.3299,  
0.3584

■ 39.4304, 0.3377,  
0.3725

■ 157.8426, 0.3287,  
0.3562

■ 27.0947, 0.3409,  
0.3785

■ 195.5626, 0.3276,  
0.3543

■ 17.6443, 0.3451,  
0.3862

■ 238.8587, 0.3266,  
0.3526

■ 10.6950, 0.3506,  
0.3969

■ 288.1153, 0.3258,  
0.3512

■ 5.8621, 0.3582,  
0.4122

■ 343.7167, 0.3251,

■ 2.7614, 0.3693,

0.3499

0.4362

406.0475, 0.3244,  
0.3488

1.0085, 0.4455,  
0.5521

0.0000, 0.0000,  
0.0000

74.2953, 0.3331,  
0.3641

74.2953, 0.3331,  
0.3641

73.2364, 0.3477,  
0.3895

75.5158, 0.3186,  
0.3391

72.3223, 0.3621,  
0.4145


76.8945, 0.3047,  
0.3152


71.5487, 0.3756,  
0.4383

77.9956, 0.2955,  
0.2993

70.9076, 0.3876,  
0.4599


78.1205, 0.2960,  
0.2993

 70.3899, 0.3977,  
0.4782


 78.2460, 0.2965,  
0.2994

 69.9855, 0.4053,  
0.4925


 78.3720, 0.2970,  
0.2994

 69.6828, 0.4103,  
0.5024

 78.4986, 0.2975,  
0.2995

 69.4675, 0.4128,  
0.5081

 78.6257, 0.2980,  
0.2995

 69.3690, 0.4134,  
0.5100

 78.7534, 0.2985,  
0.2996

# Harmonies

## Analogous

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



74.2953, 0.3473, 0.3586



74.2953, 0.3331, 0.3641



74.2953, 0.3137, 0.3596

# Triad

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



74.2953, 0.3331, 0.3641



74.2953, 0.2749, 0.3105



74.2953, 0.3306, 0.3127

# Complementary

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



74.2953, 0.3331, 0.3641



55.6805, 0.2908, 0.2915

# 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.



74.2953, 0.3107, 0.3008



74.2953, 0.3331, 0.3641



74.2953, 0.2790, 0.2991

# Square

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



74.2953, 0.3331, 0.3641



74.2953, 0.2805, 0.3277



74.2953, 0.2919, 0.2958



74.2953, 0.3459, 0.3289



# Rectangle

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



74.2953, 0.3331, 0.3641



74.2953, 0.3006, 0.3513



74.2953, 0.2919, 0.2958



74.2953, 0.3242, 0.3081

# Sweetspot

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



74.2986, 0.3331, 0.3641



99.2949, 0.3184, 0.3388



59.1210, 0.3387, 0.3303



21.2256, 0.3195, 0.3406



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.



74.2986, 0.3331, 0.3641



97.2385, 0.3374, 0.3715



71.8468, 0.3215, 0.3654



16.0047, 0.3262, 0.3522



39.5762, 0.4135, 0.5099



2.7507, 0.4144, 0.5091



# Inverse Universe

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



55.6805, 0.2908, 0.2915



68.2959, 0.2857, 0.2829



57.9288, 0.3028, 0.2928



13.2653, 0.2986, 0.3048



3.1711, 0.1511, 0.0606

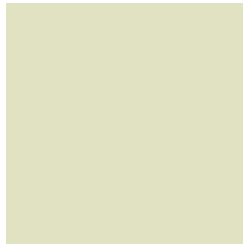


0.2277, 0.1543, 0.0624



# Previews

## White Background



This preview shows how the Yxy color 74.2953, 0.3331, 0.3641 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

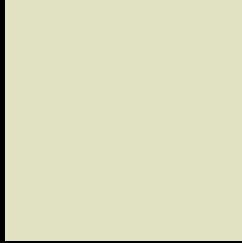
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.2953, 0.3331, 0.3641 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

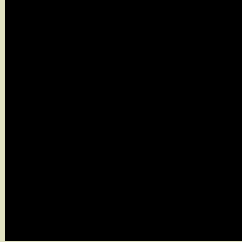
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

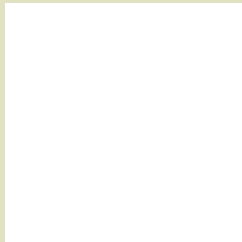
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.2953, 0.3331, 0.3641**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.2953, 0.3331, 0.3641.



This preview shows how white text looks on a background with the Yxy color 74.2953, 0.3331, 0.3641.

# 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

74.2953, 0.3331, 0.3641

### Protanopia

74.2433, 0.3424, 0.3623

### Deuteranopia

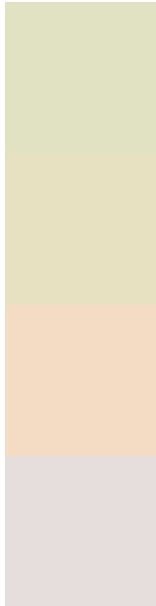
73.8464, 0.3564, 0.3486



## Tritanopia

74.2897, 0.3093, 0.3112

# Trichromacy



## Original Color

74.2953, 0.3331, 0.3641

## Protanomaly

74.1505, 0.3386, 0.3626

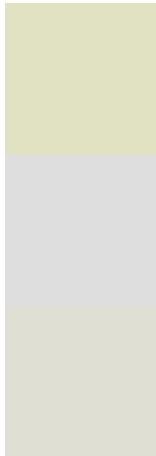
## Deuteranomaly

73.8363, 0.3479, 0.3543

## Tritanomaly

74.1210, 0.3183, 0.3301

# Monochromacy



## Original Color

74.2953, 0.3331, 0.3641

## Achromatopsia

73.0461, 0.3127, 0.3290

## Achromatomaly

73.2168, 0.3200, 0.3410

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.2953, 0.3331, 0.3641 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(225, 226, 194)` looks like.

```
.text, #text, p{  
    color:rgb(225, 226, 194)  
}
```

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(225, 226, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 226, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 74.2953, 0.3331, 0.3641 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(225, 226, 194) }
```

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

```
.border{ border-color:rgb(225, 226, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 226, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 226, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 226, 194);  
box-shadow:4px 4px 4px 4px rgb(225, 226,  
194) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.2953, 0.3331, 0.3641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 226, 194) }
```

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

```
.background{ background-color: rgb(225,  
226, 194) }
```

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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