

# Converting Colors

$Yxy(74.7874, 0.3324, 0.3617)$

Have a look what the booklet for  
Yxy(74.7874, 0.3324, 0.3617)  
contains.

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# Color

**Yxy(74.5470, 0.3325, 0.3618)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2E2C4
RGB	226, 226, 196
RGB Percent	89%, 89%, 77%
CMY	0.1139, 0.1136, 0.2315
CMYK	0.00, 0.00, 0.13, 0.11
HSL	60°, 34%, 83%
HSV	60°, 13%, 89%
XYZ	68.5099, 74.5470, 62.9879
YIQ	222.5800, 9.6300, -9.3300

# Conversions

## Conversions Part 2

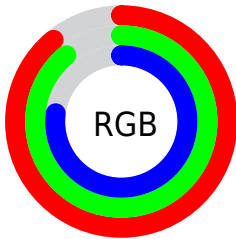
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	196, 226, 196
Decimal	14869188
CIE <sub>Lab</sub>	89.18, -5.06, 14.70
CIE <sub>LCh</sub>	89, 15.545, 108.986
Yxy	74.5470, 0.3325, 0.3618
Android (android.graphics.Color)	4293059268 (0xFFE2E2C4)
YUV	222.5800, -13.1039, 2.9993
Hunter-Lab	86.3406, -9.4592, 17.1847

# Details

The Yxy color **74.5470, 0.3325, 0.3618** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **56.7043, 0.2916, 0.2940**, and the grayscale version is **73.5640, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8718, 0.3139, 0.3309**, and **39.7367, 0.3377, 0.3702** is the 20% darker color. If you saturate the color by 10%, you get **73.5885, 0.3477, 0.3870**, and if you desaturate by 10%, it is **75.6671, 0.3175, 0.3370**.

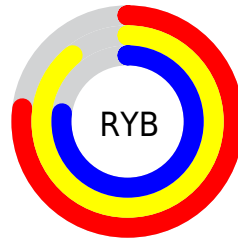
# Distribution



Red (89%)

Green (89%)

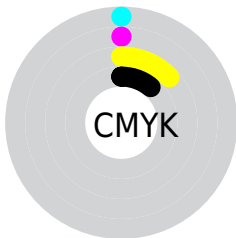
Blue (77%)



Red (77%)

Yellow (89%)

Blue (77%)

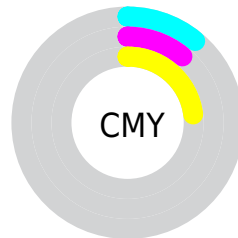


Cyan (0%)

Magenta (0%)

Yellow (13%)

Black (11%)



Cyan (11%)

Magenta (11%)


Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.5470, 0.3325, 0.3618 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 74.5470, 0.3325, 0.3618 by changing the saturation by 10% instead.




 74.5470, 0.3325,  
0.3618

 74.5470, 0.3325,  
0.3618


476.3591, 0.3235,  
0.3465

 55.2419, 0.3345,  
0.3653

125.6709, 0.3294,  
0.3565

 39.5954, 0.3370,  
0.3697


158.2585, 0.3282,  
0.3544

 27.2232, 0.3401,  
0.3752

196.0423, 0.3271,  
0.3527

 17.7409, 0.3442,  
0.3824

239.4068, 0.3262,  
0.3511

 10.7642, 0.3496,  
0.3923

288.7363, 0.3254,  
0.3498

 5.9085, 0.3571,  
0.4065

344.4153, 0.3247,

 2.7895, 0.3681,

0.3486

0.4288

406.8281, 0.3240,  
0.3475

■ 1.0229, 0.4333,  
0.5261

■ 0.0000, 0.0000,  
0.0000

■ 74.5470, 0.3325,  
0.3618

■ 74.5470, 0.3325,  
0.3618

■ 73.5885, 0.3477,  
0.3870

■ 75.6671, 0.3175,  
0.3370

■ 72.7748, 0.3626,  
0.4118

■ 76.9455, 0.3031,  
0.3131


■ 72.1018, 0.3768,  
0.4354

■ 77.8128, 0.2948,  
0.2992


■ 71.5615, 0.3896,  
0.4566


■ 77.8218, 0.2948,  
0.2992


 71.1448, 0.4004,  
0.4746

 77.8308, 0.2948,  
0.2992

 70.8419, 0.4088,  
0.4886


 77.8399, 0.2949,  
0.2992

 70.6413, 0.4146,  
0.4983

 77.8489, 0.2949,  
0.2992

 70.5288, 0.4178,  
0.5037

 77.8579, 0.2949,  
0.2992

 70.4879, 0.4189,  
0.5056

 77.8669, 0.2950,  
0.2992

# Harmonies

## Analogous

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



74.5470, 0.3455, 0.3564



74.5470, 0.3325, 0.3618



74.5470, 0.3145, 0.3579

# Triad

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



74.5470, 0.3325, 0.3618



74.5470, 0.2773, 0.3123



74.5470, 0.3288, 0.3132

# Complementary

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



74.5470, 0.3325, 0.3618



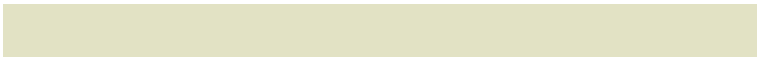
56.7043, 0.2916, 0.2940

# Split Complementary

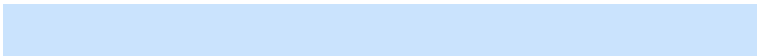
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.5470, 0.3101, 0.3022



74.5470, 0.3325, 0.3618



74.5470, 0.2808, 0.3013

# Square

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



74.5470, 0.3325, 0.3618



74.5470, 0.2829, 0.3286



74.5470, 0.2926, 0.2978



74.5470, 0.3434, 0.3283



# Rectangle

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



74.5470, 0.3325, 0.3618



74.5470, 0.3021, 0.3504



74.5470, 0.2926, 0.2978



74.5470, 0.3227, 0.3089

# Sweetspot

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



74.5503, 0.3325, 0.3618



99.3556, 0.3186, 0.3388



59.6264, 0.3370, 0.3291



21.2411, 0.3197, 0.3406



0.0000, 0.0000, 0.0000

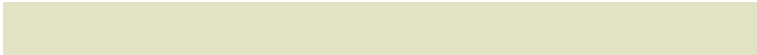


21.4041, 0.3127, 0.3290



# Same Dimension

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



74.5503, 0.3325, 0.3618



97.6262, 0.3368, 0.3689



72.2386, 0.3217, 0.3629



16.0278, 0.3267, 0.3522



40.2049, 0.4189, 0.5056



2.7873, 0.4190, 0.5055



# Inverse Universe

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



56.7043, 0.2916, 0.2940



69.7558, 0.2866, 0.2858



58.8106, 0.3027, 0.2951



13.2449, 0.2981, 0.3048



3.1354, 0.1501, 0.0601

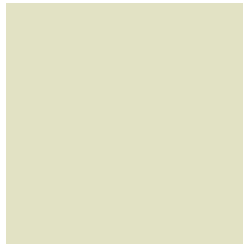


0.2179, 0.1503, 0.0602



# Previews

## White Background



This preview shows how the Yxy color 74.5470, 0.3325, 0.3618 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

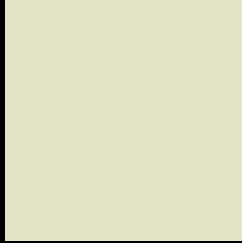
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.5470, 0.3325, 0.3618 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

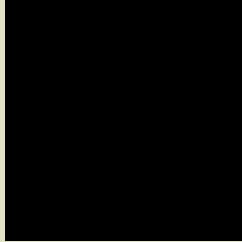
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

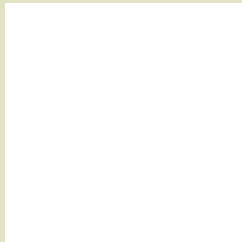
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.5470, 0.3325, 0.3618**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.5470, 0.3325, 0.3618.



This preview shows how white text looks on a background with the Yxy color 74.5470, 0.3325, 0.3618.

# 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

74.5470, 0.3325, 0.3618

### Protanopia

74.3777, 0.3403, 0.3591

### Deuteranopia

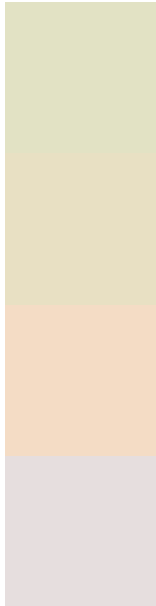
74.4490, 0.3547, 0.3475



## Tritanopia

74.4566, 0.3100, 0.3113

# Trichromacy



## Original Color

74.5470, 0.3325, 0.3618

## Protanomaly

74.4072, 0.3379, 0.3603

## Deuteranomaly

74.4507, 0.3462, 0.3532

## Tritanomaly

74.3395, 0.3184, 0.3290

# Monochromacy



## Original Color

74.5470, 0.3325, 0.3618

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

73.9627, 0.3199, 0.3409

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.5470, 0.3325, 0.3618 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(226, 226, 196)` looks like.

```
.text, #text, p{  
    color:rgb(226, 226, 196)  
}
```

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(226, 226, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 226, 196) }
```

## Border

The CSS property to change the border of an element to Yxy 74.5470, 0.3325, 0.3618 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(226, 226, 196) }
```

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

```
.border{ border-color:rgb(226, 226, 196) }
```

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

Here you see how a box with a 4 pixel rgb(226, 226, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 226, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 226, 196);  
box-shadow:4px 4px 4px 4px rgb(226, 226,  
196) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.5470, 0.3325, 0.3618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 226, 196) }
```

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

```
.background{ background-color: rgb(226,  
226, 196) }
```

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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