

# Converting Colors

$Yxy(74.8469, 0.3324, 0.3843)$

Have a look what the booklet for  
Yxy(74.8469, 0.3324, 0.3843)  
contains.

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# Color

**Yxy(74.8254, 0.3323, 0.3840)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6E7B6
RGB	214, 231, 182
RGB Percent	84%, 91%, 71%
CMY	0.1608, 0.0941, 0.2863
CMYK	0.07, 0.00, 0.21, 0.09
HSL	81°, 51%, 81%
HSV	81°, 21%, 91%
XYZ	64.7513, 74.8254, 55.2812
YIQ	220.3310, 5.5970, -18.8430

# Conversions

## Conversions Part 2

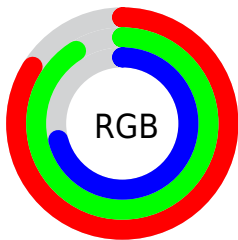
Format	Color
<a href="#">RYB</a>	<a href="#">182, 231, 199</a>
Decimal	<a href="#">14084022</a>
CIELab	<a href="#">89.31, -13.97, 22.02</a>
CIELCh	<a href="#">89, 26.079, 122.401</a>
Yxy	<a href="#">74.8254, 0.3323, 0.3840</a>
Android (android.graphics.Color)	<a href="#">4292274102 (0xFFD6E7B6)</a>
YUV	<a href="#">220.3310, -18.8972, -5.5523</a>
Hunter-Lab	<a href="#">86.5017, -17.7609, 22.6603</a>

# Details

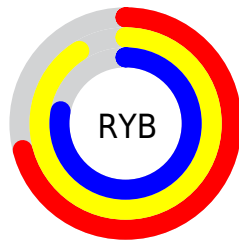
The Yxy color **74.8254, 0.3323, 0.3840** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **51.3640, 0.2899, 0.2722**, and the grayscale version is **71.9470, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.9530, 0.3226, 0.3454**, and **39.6159, 0.3364, 0.3967** is the 20% darker color. If you saturate the color by 10%, you get **72.7749, 0.3412, 0.4119**, and if you desaturate by 10%, it is **77.0993, 0.3231, 0.3572**.

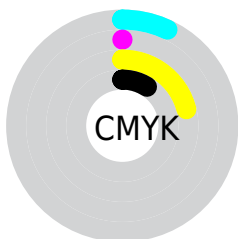
# Distribution



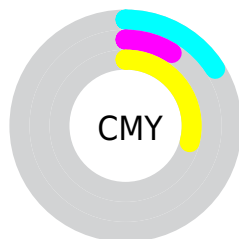
- Red (84%)
- Green (91%)
- Blue (71%)



- Red (71%)
- Yellow (91%)
- Blue (78%)



- Cyan (7%)
- Magenta (0%)
- Yellow (21%)
- Black (9%)




- Cyan (16%)
- Magenta (9%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.8254, 0.3323, 0.3840 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 74.8254, 0.3323, 0.3840 by changing the saturation by 10% instead.



 74.8254, 0.3323,  
0.3840

 74.8254, 0.3323,  
0.3840


477.3172, 0.3237,  
0.3581

 55.4699, 0.3342,  
0.3900


 126.0652, 0.3294,  
0.3749

 39.7780, 0.3364,  
0.3975


158.7182, 0.3282,  
0.3714

 27.3655, 0.3391,  
0.4071


196.5725, 0.3272,  
0.3684

 17.8479, 0.3424,  
0.4197

240.0125, 0.3263,  
0.3658

 10.8409, 0.3465,  
0.4370

289.4226, 0.3256,  
0.3635

 5.9599, 0.3515,  
0.4621

345.1871, 0.3249,

 2.8207, 0.3575,

0.3615

407.6906, 0.3242,  
0.3597

0.5021

1.0389, 0.3807,  
0.6193

0.0000, 0.0000,  
0.0000

74.8254, 0.3323,  
0.3840

74.8254, 0.3323,  
0.3840

72.7749, 0.3412,  
0.4119

77.0993, 0.3231,  
0.3572

70.9294, 0.3493,  
0.4401


79.5948, 0.3138,  
0.3319

69.2830, 0.3561,  
0.4676


82.3227, 0.3048,  
0.3086


67.8256, 0.3612,  
0.4930


83.9773, 0.3078,  
0.3054

 66.5460, 0.3640,  
0.5152

 85.4581, 0.3132,  
0.3058

 65.4315, 0.3644,  
0.5330

 85.6346, 0.3138,  
0.3058

 64.4670, 0.3623,  
0.5458

 63.7226, 0.3588,  
0.5533

# Harmonies

## Analogous

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



74.8254, 0.3591, 0.3806



74.8254, 0.3323, 0.3840



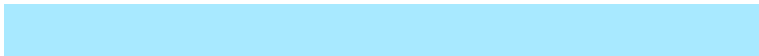
74.8254, 0.3012, 0.3706

# Triad

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



74.8254, 0.3323, 0.3840



74.8254, 0.2551, 0.2910



74.8254, 0.3519, 0.3132

# Complementary

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



74.8254, 0.3323, 0.3840



51.3640, 0.2899, 0.2722

# Split Complementary

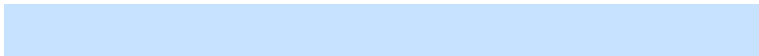
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.8254, 0.3222, 0.2920



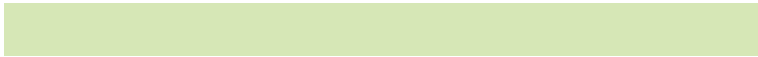
74.8254, 0.3323, 0.3840



74.8254, 0.2670, 0.2789

# Square

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



74.8254, 0.3323, 0.3840



74.8254, 0.2576, 0.3146



74.8254, 0.2911, 0.2796



74.8254, 0.3712, 0.3388



# Rectangle

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



74.8254, 0.3323, 0.3840



74.8254, 0.2822, 0.3540



74.8254, 0.2911, 0.2796



74.8254, 0.3427, 0.3054

# Sweetspot

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



74.8287, 0.3323, 0.3840



98.0608, 0.3183, 0.3439



60.9063, 0.3517, 0.3474



20.9452, 0.3189, 0.3455



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.



74.8287, 0.3323, 0.3840



92.5975, 0.3358, 0.3948



71.4997, 0.3155, 0.3870



16.5539, 0.3214, 0.3526



35.7935, 0.3597, 0.5526



2.6961, 0.3685, 0.5456



# Inverse Universe

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



51.3640, 0.2899, 0.2722



58.7910, 0.2849, 0.2606



54.8849, 0.3086, 0.2753



14.1290, 0.3034, 0.3051



4.2558, 0.1766, 0.0747

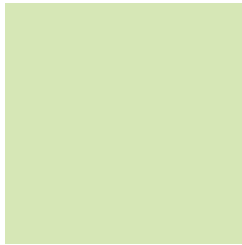


0.3646, 0.1928, 0.0836



# Previews

## White Background



This preview shows how the Yxy color 74.8254, 0.3323, 0.3840 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

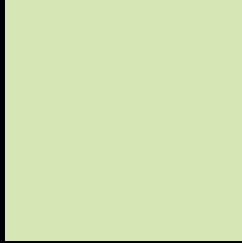
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.8254, 0.3323, 0.3840 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

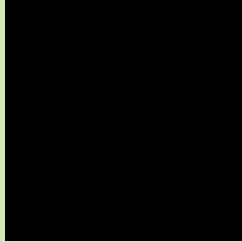
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

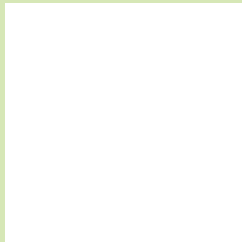
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.8254, 0.3323, 0.3840**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.8254, 0.3323, 0.3840.

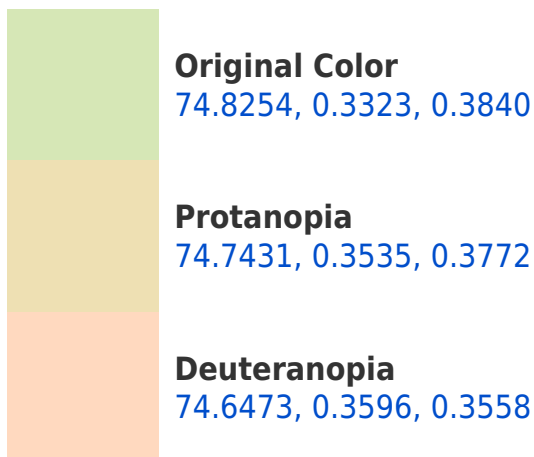


This preview shows how white text looks on a background with the Yxy color 74.8254, 0.3323, 0.3840.

# 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

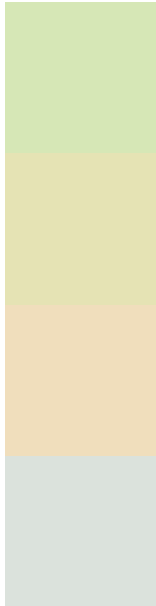




## Tritanopia

74.6558, 0.3005, 0.3100

# Trichromacy



**Original Color**

74.8254, 0.3323, 0.3840

**Protanomaly**

74.8915, 0.3453, 0.3802

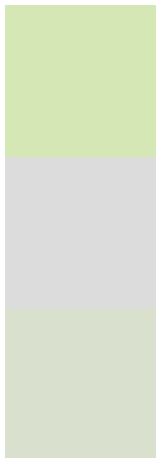
**Deuteranomaly**

74.3987, 0.3492, 0.3652

**Tritanomaly**

74.6201, 0.3117, 0.3355

# Monochromacy



**Original Color**

74.8254, 0.3323, 0.3840

**Achromatopsia**

71.5694, 0.3127, 0.3290

**Achromatomaly**

72.6730, 0.3203, 0.3489

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.8254, 0.3323, 0.3840 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(214, 231, 182)` looks like.

```
.text, #text, p{  
    color:rgb(214, 231, 182)  
}
```

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(214, 231, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 231, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 74.8254, 0.3323, 0.3840 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(214, 231, 182) }
```

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

```
.border{ border-color:rgb(214, 231, 182) }
```

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

Here you see how a box with a 4 pixel rgb(214, 231, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 231, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 231, 182);  
box-shadow:4px 4px 4px 4px rgb(214, 231,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.8254, 0.3323, 0.3840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 231, 182) }
```

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

```
.background{ background-color: rgb(214,  
231, 182) }
```

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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