

# Converting Colors

$Yxy(74.8847, 0.3198, 0.3672)$

Have a look what the booklet for  
Yxy(74.8847, 0.3198, 0.3672)  
contains.

<b>Yxy(74.8847, 0.3198, 0.3672)</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(74.8847, 0.3198, 0.3672)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2E7C5
RGB	210, 231, 197
RGB Percent	82%, 91%, 77%
CMY	0.1767, 0.0940, 0.2275
CMYK	0.09, 0.00, 0.15, 0.09
HSL	97°, 42%, 84%
HSV	97°, 15%, 91%
XYZ	65.2182, 74.8847, 63.8315
YIQ	220.8450, -1.6020, -15.0260

# Conversions

## Conversions Part 2

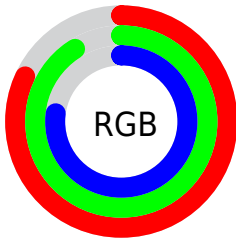
Format	Color
<a href="#">RYB</a>	<a href="#">197, 231, 218</a>
Decimal	<a href="#">13821893</a>
CIELab	<a href="#">89.34, -13.04, 14.23</a>
CIELCh	<a href="#">89, 19.302, 132.495</a>
Yxy	<a href="#">74.8847, 0.3198, 0.3672</a>
Android (android.graphics.Color)	<a href="#">4292011973 (0xFFD2E7C5)</a>
YUV	<a href="#">220.8450, -11.7556, -9.5111</a>
Hunter-Lab	<a href="#">86.5359, -16.9106, 16.8411</a>

# Details

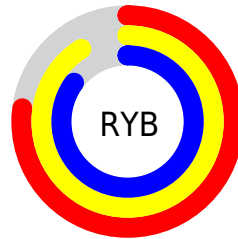
The Yxy color **74.8847, 0.3198, 0.3672** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.6136, 0.3046, 0.2915**, and the grayscale version is **72.2716, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.9358, 0.3133, 0.3300**, and **39.6117, 0.3211, 0.3763** is the 20% darker color. If you saturate the color by 10%, you get **71.9022, 0.3243, 0.3961**, and if you desaturate by 10%, it is **78.2238, 0.3150, 0.3407**.

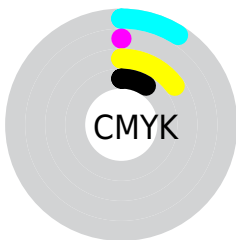
# Distribution



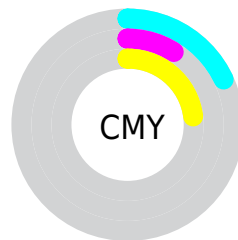
- Red (82%)
- Green (91%)
- Blue (77%)



- Red (77%)
- Yellow (91%)
- Blue (85%)



- Cyan (9%)
- Magenta (0%)
- Yellow (15%)
- Black (9%)




- Cyan (18%)
- Magenta (9%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.8847, 0.3198, 0.3672 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 74.8847, 0.3198, 0.3672 by changing the saturation by 10% instead.




 74.8847, 0.3198,  
0.3672

 74.8847, 0.3198,  
0.3672


477.5212, 0.3167,  
0.3492

 55.5184, 0.3204,  
0.3714

126.1491, 0.3188,  
0.3609

 39.8170, 0.3212,  
0.3766

158.8161, 0.3184,  
0.3585

 27.3959, 0.3221,  
0.3833


196.6854, 0.3180,  
0.3564

 17.8707, 0.3233,  
0.3921

240.1415, 0.3177,  
0.3546

 10.8572, 0.3246,  
0.4043

289.5687, 0.3174,  
0.3530

 5.9709, 0.3262,  
0.4222

345.3515, 0.3172,

 2.8274, 0.3278,

0.3516

0.4511

407.8742, 0.3169,  
0.3503

■ 1.0423, 0.3616,  
0.5673

■ 0.0000, 0.0000,  
0.0000

■ 74.8847, 0.3198,  
0.3672

■ 74.8847, 0.3198,  
0.3672

■ 71.9022, 0.3243,  
0.3961

■ 78.2238, 0.3150,  
0.3407

■ 69.2543, 0.3283,  
0.4268

■ 81.9213, 0.3102,  
0.3167

■ 66.9312, 0.3315,  
0.4584

■ 85.2426, 0.3124,  
0.3057

■ 64.9189, 0.3334,  
0.4897

■ 85.6444, 0.3138,  
0.3058

■ 63.2023, 0.3337,  
0.5190

■ 61.7648, 0.3322,  
0.5445

■ 60.5877, 0.3288,  
0.5645

■ 59.6490, 0.3239,  
0.5782

■ 59.2354, 0.3210,  
0.5833

# Harmonies

## Analogous

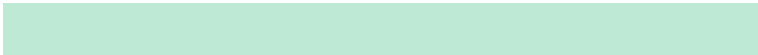
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.8847, 0.3413, 0.3692



74.8847, 0.3198, 0.3672



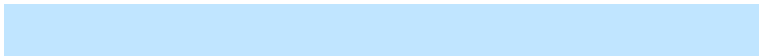
74.8847, 0.2969, 0.3537

# Triad

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



74.8847, 0.3198, 0.3672



74.8847, 0.2714, 0.2968



74.8847, 0.3476, 0.3237

# Complementary

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



74.8847, 0.3198, 0.3672



60.6136, 0.3046, 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.



74.8847, 0.3277, 0.3060



74.8847, 0.3198, 0.3672



74.8847, 0.2839, 0.2906

# Square

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



74.8847, 0.3198, 0.3672



74.8847, 0.2696, 0.3121



74.8847, 0.3043, 0.2941



74.8847, 0.3579, 0.3432



# Rectangle

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



74.8847, 0.3198, 0.3672



74.8847, 0.2840, 0.3403



74.8847, 0.3043, 0.2941



74.8847, 0.3418, 0.3174

# Sweetspot

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



74.8879, 0.3198, 0.3672



98.1817, 0.3147, 0.3389



71.1535, 0.3368, 0.3519



20.9435, 0.3150, 0.3408



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

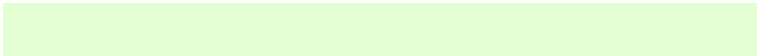


# Same Dimension

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



74.8879, 0.3198, 0.3672



92.3893, 0.3214, 0.3767



73.2481, 0.3084, 0.3635



16.3551, 0.3173, 0.3529



33.2667, 0.3221, 0.5824



2.5103, 0.3336, 0.5733



# Inverse Universe

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



60.6136, 0.3046, 0.2915



70.9661, 0.3024, 0.2825



62.4683, 0.3173, 0.2967



14.3270, 0.3077, 0.3054



6.5858, 0.2277, 0.1028

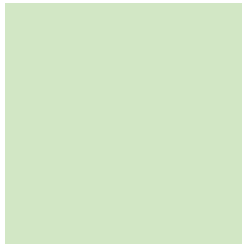


0.5396, 0.2412, 0.1103



# Previews

## White Background



This preview shows how the Yxy color 74.8847, 0.3198, 0.3672 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 74.8847, 0.3198, 0.3672 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

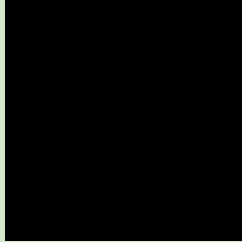
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

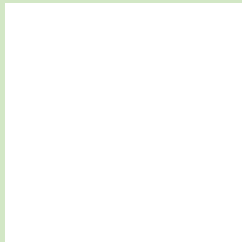
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.8847, 0.3198, 0.3672**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.8847, 0.3198, 0.3672.

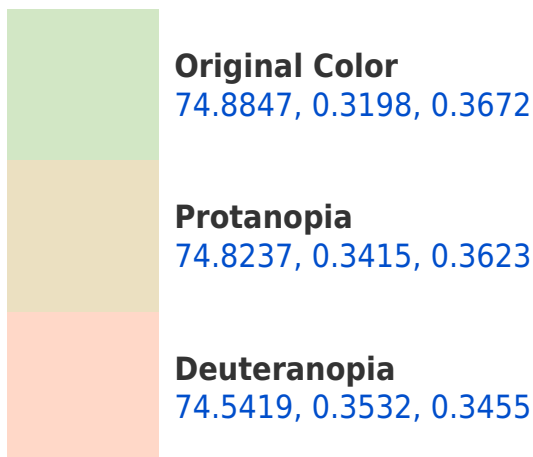


This preview shows how white text looks on a background with the Yxy color 74.8847, 0.3198, 0.3672.

# 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

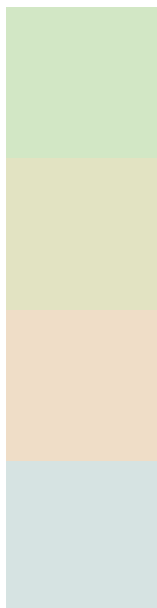




## Tritanopia

75.0129, 0.2966, 0.3109

# Trichromacy



## Original Color

74.8847, 0.3198, 0.3672

## Protanomaly

75.0020, 0.3337, 0.3650

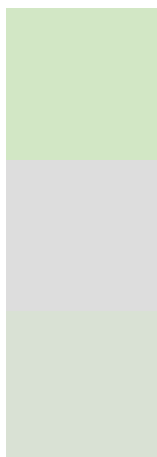
## Deuteranomaly

74.1871, 0.3409, 0.3524

## Tritanomaly

74.7253, 0.3045, 0.3301

# Monochromacy



## Original Color

74.8847, 0.3198, 0.3672

## Achromatopsia

72.3055, 0.3127, 0.3290

## Achromatomaly

73.3556, 0.3155, 0.3433

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.8847, 0.3198, 0.3672 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(210, 231, 197)` looks like.

```
.text, #text, p{  
    color:rgb(210, 231, 197)  
}
```

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(210, 231, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 231, 197) }
```

## Border

The CSS property to change the border of an element to Yxy 74.8847, 0.3198, 0.3672 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(210, 231, 197) }
```

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

```
.border{ border-color:rgb(210, 231, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 231, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 231, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 231, 197);  
box-shadow:4px 4px 4px 4px rgb(210, 231,  
197) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.8847, 0.3198, 0.3672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 231, 197) }
```

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

```
.background{ background-color: rgb(210,  
231, 197) }
```

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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