

# Converting Colors

$Yxy(73.7644, 0.3361, 0.4027)$

Have a look what the booklet for  
Yxy(73.7644, 0.3361, 0.4027)  
contains.

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# Color

**Yxy(73.8058, 0.3360, 0.4022)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFE8A8
RGB	207, 232, 168
RGB Percent	81%, 91%, 66%
CMY	0.1882, 0.0902, 0.3412
CMYK	0.11, 0.00, 0.28, 0.09
HSL	83°, 58%, 78%
HSV	83°, 28%, 91%
XYZ	61.6578, 73.8058, 48.0417
YIQ	217.2290, 5.6440, -25.2040

# Conversions

## Conversions Part 2

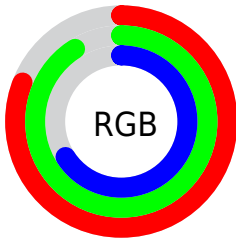
<b>Format</b>	<b>Color</b>
<b>RYB</b>	168, 232, 193
Decimal	13625512
CIELab	88.83, -19.02, 28.48
CIELCh	89, 34.252, 123.738
Yxy	73.8058, 0.3360, 0.4022
Android (android.graphics.Color)	4291815592 (0xFFCFE8A8)
YUV	217.2290, -24.2699, -8.9708
Hunter-Lab	85.9103, -22.2337, 26.9818

# Details

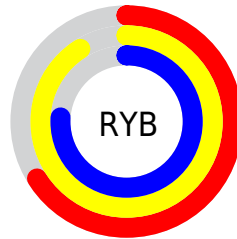
The Yxy color **73.8058, 0.3360, 0.4022** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **45.1696, 0.2838, 0.2536**, and the grayscale version is **69.7224, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1618, 0.3310, 0.3592**, and **38.9639, 0.3409, 0.4207** is the 20% darker color. If you saturate the color by 10%, you get **71.7520, 0.3437, 0.4309**, and if you desaturate by 10%, it is **76.0953, 0.3277, 0.3743**.

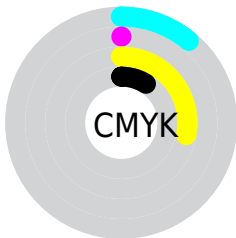
# Distribution



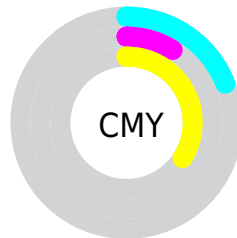
- Red (81%)
- Green (91%)
- Blue (66%)



- Red (66%)
- Yellow (91%)
- Blue (76%)



- Cyan (11%)
- Magenta (0%)
- Yellow (28%)
- Black (9%)




- Cyan (19%)
- Magenta (9%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.8058, 0.3360, 0.4022 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 73.8058, 0.3360, 0.4022 by changing the saturation by 10% instead.





 73.8058, 0.3360,  
0.4022


 73.8058, 0.3360,  
0.4022


473.8028, 0.3260,  
0.3674

 54.6351, 0.3381,  
0.4103


 124.6205, 0.3327,  
0.3900

 39.1097, 0.3405,  
0.4205


 157.0333, 0.3314,  
0.3852

 26.8450, 0.3433,  
0.4334


194.6288, 0.3302,  
0.3812

 17.4569, 0.3465,  
0.4505

237.7916, 0.3292,  
0.3777

 10.5608, 0.3502,  
0.4739

286.9061, 0.3282,  
0.3746

 5.7723, 0.3534,  
0.5074

342.3565, 0.3274,

 2.7071, 0.3647,

0.3719

404.5273, 0.3267,  
0.3695

0.5761

0.9808, 0.3215,  
0.6785

0.0000, 0.0000,  
0.0000

73.8058, 0.3360,  
0.4022

73.8058, 0.3360,  
0.4022

71.7520, 0.3437,  
0.4309

76.0953, 0.3277,  
0.3743

69.9147, 0.3502,  
0.4594


78.6195, 0.3192,  
0.3478

68.2869, 0.3553,  
0.4865

81.3900, 0.3107,  
0.3233


66.8573, 0.3582,  
0.5109


84.0351, 0.3060,  
0.3063

 65.6133, 0.3588,  
0.5312

 85.6896, 0.3120,  
0.3067

 64.5403, 0.3569,  
0.5466

 86.1955, 0.3138,  
0.3068

 63.6190, 0.3529,  
0.5568

 63.4124, 0.3517,  
0.5589

# Harmonies

## Analogous

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



73.8058, 0.3720, 0.3973



73.8058, 0.3360, 0.4022



73.8058, 0.2952, 0.3836

# Triad

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



73.8058, 0.3360, 0.4022



73.8058, 0.2382, 0.2777



73.8058, 0.3660, 0.3094

# Complementary

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



73.8058, 0.3360, 0.4022



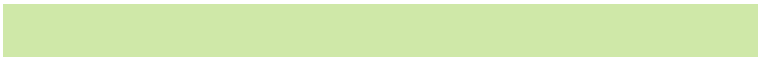
45.1696, 0.2838, 0.2536

# Split Complementary

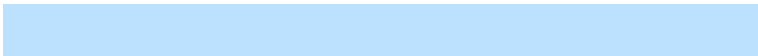
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.8058, 0.3267, 0.2822



73.8058, 0.3360, 0.4022



73.8058, 0.2542, 0.2635

# Square

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



73.8058, 0.3360, 0.4022



73.8058, 0.2404, 0.3075



73.8058, 0.2857, 0.2656



73.8058, 0.3908, 0.3423



# Rectangle

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



73.8058, 0.3360, 0.4022



73.8058, 0.2709, 0.3605



73.8058, 0.2857, 0.2656



73.8058, 0.3539, 0.2994

# Sweetspot

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



73.8090, 0.3360, 0.4022



97.2751, 0.3196, 0.3490



57.9187, 0.3654, 0.3568



20.7159, 0.3209, 0.3529



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

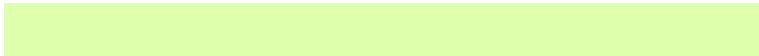


# Same Dimension

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



73.8090, 0.3360, 0.4022



90.0052, 0.3404, 0.4182



69.7110, 0.3139, 0.4074



16.5216, 0.3208, 0.3526



35.2776, 0.3528, 0.5581



2.6602, 0.3624, 0.5505



# Inverse Universe

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



45.1696, 0.2838, 0.2536



49.0866, 0.2766, 0.2365



49.7655, 0.3097, 0.2591



14.1603, 0.3041, 0.3051



4.5261, 0.1832, 0.0783

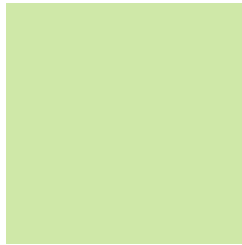


0.3869, 0.1996, 0.0873



# Previews

## White Background



This preview shows how the Yxy color 73.8058, 0.3360, 0.4022 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 73.8058, 0.3360, 0.4022 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

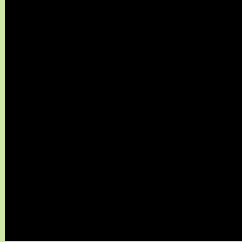
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.8058, 0.3360, 0.4022**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.8058, 0.3360, 0.4022.

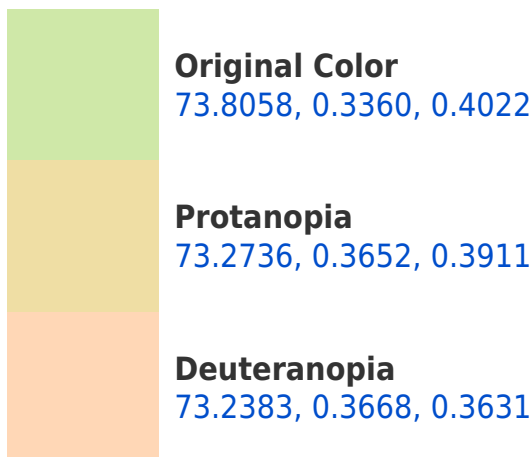


This preview shows how white text looks on a background with the Yxy color 73.8058, 0.3360, 0.4022.

# 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

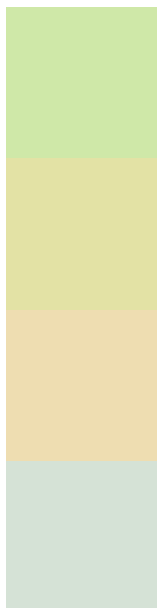




## Tritanopia

73.8183, 0.2978, 0.3108

# Trichromacy



## Original Color

73.8058, 0.3360, 0.4022

## Protanomaly

73.4402, 0.3542, 0.3961

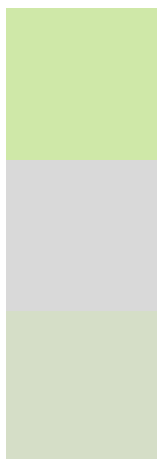
## Deuteranomaly

73.0644, 0.3556, 0.3763

## Tritanomaly

73.3939, 0.3114, 0.3423

# Monochromacy



## Original Color

73.8058, 0.3360, 0.4022

## Achromatopsia

69.3872, 0.3127, 0.3290

## Achromatomaly

70.5122, 0.3215, 0.3549

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.8058, 0.3360, 0.4022 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(207, 232, 168)` looks like.

```
.text, #text, p{  
    color:rgb(207, 232, 168)  
}
```

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(207, 232, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 232, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 73.8058, 0.3360, 0.4022 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(207, 232, 168) }
```

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

```
.border{ border-color:rgb(207, 232, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 232, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 232, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 232, 168);  
box-shadow:4px 4px 4px 4px rgb(207, 232,  
168) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.8058, 0.3360, 0.4022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 232, 168) }
```

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

```
.background{ background-color: rgb(207,  
232, 168) }
```

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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