

# Converting Colors

$Yxy(73.4354, 0.3245, 0.3951)$

Have a look what the booklet for  
Yxy(73.4354, 0.3245, 0.3951)  
contains.

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# Color

**Yxy(73.4182, 0.3244, 0.3952)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6E9B0
RGB	198, 233, 176
RGB Percent	78%, 91%, 69%
CMY	0.2236, 0.0863, 0.3096
CMYK	0.15, 0.00, 0.24, 0.09
HSL	97°, 56%, 80%
HSV	97°, 24%, 91%
XYZ	60.2653, 73.4182, 52.0913
YIQ	216.0370, -2.5630, -25.1470

# Conversions

## Conversions Part 2

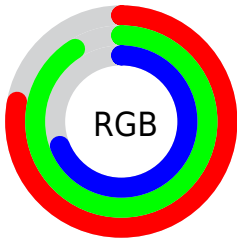
Format	Color
<b>RYB</b>	176, 233, 211
Decimal	13035952
CIELab	88.65, -21.51, 24.00
CIELCh	89, 32.234, 131.870
Yxy	73.4182, 0.3244, 0.3952
Android (android.graphics.Color)	4291226032 (0xFFC6E9B0)
YUV	216.0370, -19.7382, -15.8184
Hunter-Lab	85.6844, -24.4014, 23.9341

# Details

The Yxy color **73.4182, 0.3244, 0.3952** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **50.8094, 0.2978, 0.2649**, and the grayscale version is **68.8369, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6062, 0.3262, 0.3513**, and **38.8036, 0.3269, 0.4119** is the 20% darker color. If you saturate the color by 10%, you get **70.7213, 0.3285, 0.4258**, and if you desaturate by 10%, it is **76.4639, 0.3198, 0.3664**.

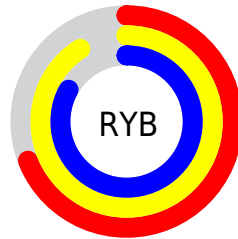
# Distribution



Red (78%)

Green (91%)

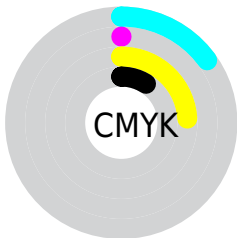
Blue (69%)



Red (69%)

Yellow (91%)

Blue (83%)

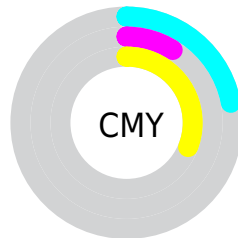


Cyan (15%)

Magenta (0%)

Yellow (24%)

Black (9%)



Cyan (22%)

Magenta (9%)


Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.4182, 0.3244, 0.3952 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 73.4182, 0.3244, 0.3952 by changing the saturation by 10% instead.





 73.4182, 0.3244,  
0.3952

 73.4182, 0.3244,  
0.3952

472.4629, 0.3196,  
0.3635

 54.3180, 0.3253,  
0.4027

 124.0707, 0.3229,  
0.3840

 38.8559, 0.3263,  
0.4120

156.3918, 0.3223,  
0.3797

 26.6477, 0.3274,  
0.4240


193.8887, 0.3217,  
0.3761

 17.3088, 0.3286,  
0.4400

236.9456, 0.3212,  
0.3729

 10.4549, 0.3296,  
0.4622

285.9472, 0.3207,  
0.3701

 5.7016, 0.3296,  
0.4948


341.2776, 0.3203,

 2.6645, 0.3293,


0.3677


0.5526


403.3214, 0.3200,  
0.3655


 0.9592, 0.2862,  
0.7138

 0.0000, 0.0000,  
0.0000


 73.4182, 0.3244,  
0.3952


 73.4182, 0.3244,  
0.3952


 70.7213, 0.3285,  
0.4258


 76.4639, 0.3198,  
0.3664

 68.3504, 0.3317,  
0.4574

 79.8611, 0.3149,  
0.3400

 66.2947, 0.3337,  
0.4887

 83.6249, 0.3100,  
0.3160

 64.5388, 0.3341,  
0.5180

 86.7606, 0.3137,  
0.3078

■ 63.0660, 0.3327,  
0.5436

■ 61.8574, 0.3294,  
0.5637

■ 60.8910, 0.3245,  
0.5775

■ 60.4428, 0.3215,  
0.5829

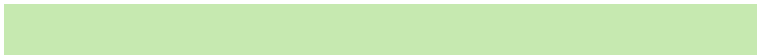
# Harmonies

## Analogous

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



73.4182, 0.3606, 0.3967



73.4182, 0.3244, 0.3952



73.4182, 0.2865, 0.3722

# Triad

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



73.4182, 0.3244, 0.3952



73.4182, 0.2447, 0.2754



73.4182, 0.3711, 0.3187

# Complementary

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



73.4182, 0.3244, 0.3952



50.8094, 0.2978, 0.2649

# 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.



73.4182, 0.3367, 0.2908



73.4182, 0.3244, 0.3952



73.4182, 0.2642, 0.2661

# Square

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



73.4182, 0.3244, 0.3952



73.4182, 0.2420, 0.3000



73.4182, 0.2973, 0.2720



73.4182, 0.3890, 0.3503



# Rectangle

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



73.4182, 0.3244, 0.3952



73.4182, 0.2653, 0.3486



73.4182, 0.2973, 0.2720



73.4182, 0.3609, 0.3087

# Sweetspot

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



73.4214, 0.3244, 0.3952



96.8811, 0.3162, 0.3466



66.6632, 0.3551, 0.3667



20.6812, 0.3165, 0.3481



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

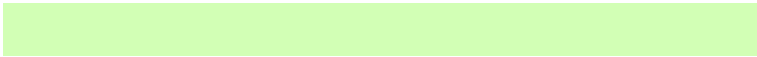


# Same Dimension

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



73.4214, 0.3244, 0.3952



88.4926, 0.3264, 0.4094



70.8826, 0.3061, 0.3911



17.1450, 0.3174, 0.3529



34.3610, 0.3226, 0.5821



2.7521, 0.3334, 0.5735



# Inverse Universe

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



50.8094, 0.2978, 0.2649



56.5393, 0.2942, 0.2516



53.9558, 0.3201, 0.2739



15.0073, 0.3076, 0.3053



6.7370, 0.2266, 0.1022



0.5841, 0.2395, 0.1093



# Previews

## White Background



This preview shows how the Yxy color 73.4182, 0.3244, 0.3952 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 73.4182, 0.3244, 0.3952 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

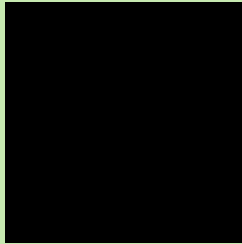
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

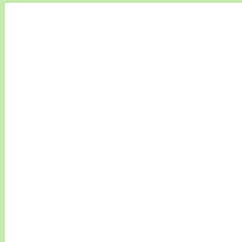
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.4182, 0.3244, 0.3952**

## Background



This preview shows how black text looks on a background with the Yxy color 73.4182, 0.3244, 0.3952.

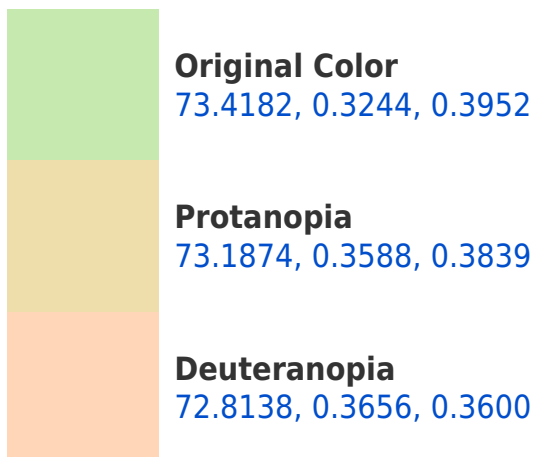


This preview shows how white text looks on a background with the Yxy color 73.4182, 0.3244, 0.3952.

# 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

73.1320, 0.2907, 0.3095

# Trichromacy



## Original Color

73.4182, 0.3244, 0.3952



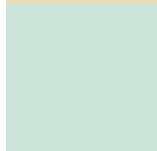
## Protanomaly

73.0978, 0.3458, 0.3878



## Deuteranomaly

72.5415, 0.3497, 0.3724



## Tritanomaly

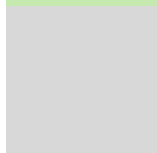
72.8375, 0.3027, 0.3391

# Monochromacy



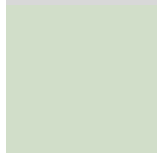
## Original Color

73.4182, 0.3244, 0.3952



## Achromatopsia

68.6685, 0.3127, 0.3290



## Achromatomaly

70.0149, 0.3173, 0.3528

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.4182, 0.3244, 0.3952 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(198, 233, 176)` looks like.

```
.text, #text, p{  
    color:rgb(198, 233, 176)  
}
```

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(198, 233, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 233, 176) }
```

## Border

The CSS property to change the border of an element to Yxy 73.4182, 0.3244, 0.3952 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(198, 233, 176) }
```

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

```
.border{ border-color:rgb(198, 233, 176) }
```

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

Here you see how a box with a 4 pixel rgb(198, 233, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 233, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 233, 176);  
box-shadow:4px 4px 4px 4px rgb(198, 233,  
176) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.4182, 0.3244, 0.3952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 233, 176) }
```

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

```
.background{ background-color: rgb(198,  
233, 176) }
```

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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