

# Converting Colors

$Y_{xy}(75.1004, 0.3353, 0.3916)$

Have a look what the booklet for  
Yxy(75.1004, 0.3353, 0.3916)  
contains.

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# Color

**Yxy(74.9939, 0.3353, 0.3920)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D5E8B0
RGB	213, 232, 176
RGB Percent	84%, 91%, 69%
CMY	0.1645, 0.0902, 0.3098
CMYK	0.08, 0.00, 0.24, 0.09
HSL	80°, 55%, 80%
HSV	80°, 24%, 91%
XYZ	64.1466, 74.9939, 52.1705
YIQ	219.9350, 6.6520, -21.4440

# Conversions

## Conversions Part 2

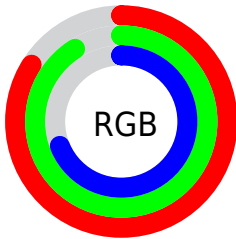
Format	Color
<a href="#">RYB</a>	<a href="#">176, 232, 195</a>
Decimal	<a href="#">14018736</a>
CIELab	<a href="#">89.39, -15.69, 25.21</a>
CIELCh	<a href="#">89, 29.689, 121.899</a>
Yxy	<a href="#">74.9939, 0.3353, 0.3920</a>
Android (android.graphics.Color)	<a href="#">4292208816</a> ( <a href="#">0xFFD5E8B0</a> )
YUV	<a href="#">219.9350, -21.6600, -6.0820</a>
Hunter-Lab	<a href="#">86.5990, -19.3278, 24.9008</a>

# Details

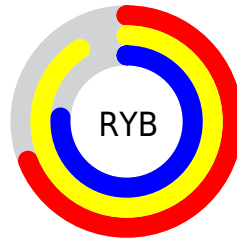
The Yxy color **74.9939, 0.3353, 0.3920** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **48.4720, 0.2858, 0.2635**, and the grayscale version is **71.6812, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6062, 0.3262, 0.3513**, and **39.7498, 0.3401, 0.4072** is the 20% darker color. If you saturate the color by 10%, you get **73.0106, 0.3442, 0.4200**, and if you desaturate by 10%, it is **77.1974, 0.3260, 0.3648**.

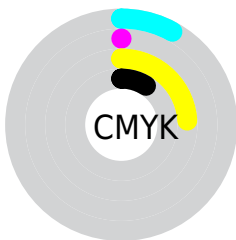
# Distribution



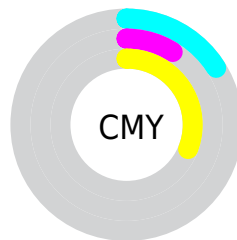
- Red (84%)
- Green (91%)
- Blue (69%)



- Red (69%)
- Yellow (91%)
- Blue (76%)



- Cyan (8%)
- Magenta (0%)
- Yellow (24%)
- Black (9%)




- Cyan (16%)
- Magenta (9%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.9939, 0.3353, 0.3920 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 74.9939, 0.3353, 0.3920 by changing the saturation by 10% instead.



 74.9939, 0.3353,  
0.3920

 74.9939, 0.3353,  
0.3920


477.8966, 0.3254,  
0.3622

 55.6079, 0.3374,  
0.3989


 126.3037, 0.3320,  
0.3816

 39.8886, 0.3399,  
0.4075

158.9963, 0.3307,  
0.3775

 27.4517, 0.3429,  
0.4185


196.8933, 0.3295,  
0.3741

 17.9128, 0.3465,  
0.4329

240.3789, 0.3285,  
0.3711

 10.8874, 0.3508,  
0.4526

289.8377, 0.3276,  
0.3685

 5.9912, 0.3558,  
0.4810

345.6540, 0.3268,

 2.8397, 0.3634,

0.3661

0.5294

408.2121, 0.3261,  
0.3641

■ 1.0486, 0.3659,  
0.6341

■ 0.0000, 0.0000,  
0.0000

■ 74.9939, 0.3353,  
0.3920

■ 74.9939, 0.3353,  
0.3920

■ 73.0106, 0.3442,  
0.4200

■ 77.1974, 0.3260,  
0.3648

■ 71.2290, 0.3521,  
0.4480

■ 79.6196, 0.3166,  
0.3391

■ 69.6427, 0.3586,  
0.4749

■ 82.2713, 0.3073,  
0.3152

■ 68.2415, 0.3632,  
0.4993

■ 84.2387, 0.3068,  
0.3063

■ 67.0137, 0.3655,  
0.5202

■ 85.6754, 0.3119,  
0.3067

■ 65.9460, 0.3653,  
0.5364

■ 86.1874, 0.3138,  
0.3068

■ 65.0222, 0.3626,  
0.5475

■ 64.5329, 0.3602,  
0.5522

# Harmonies

## Analogous

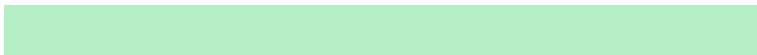
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.9939, 0.3657, 0.3873



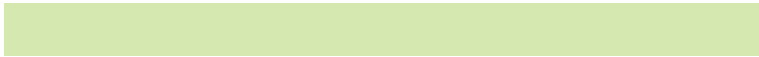
74.9939, 0.3353, 0.3920



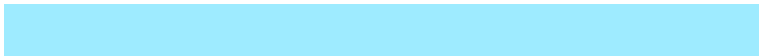
74.9939, 0.3000, 0.3771

# Triad

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



74.9939, 0.3353, 0.3920



74.9939, 0.2475, 0.2860



74.9939, 0.3568, 0.3105

# Complementary

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



74.9939, 0.3353, 0.3920



48.4720, 0.2858, 0.2635

# Split Complementary

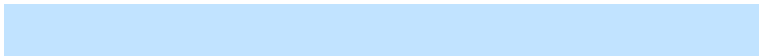
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.9939, 0.3227, 0.2870



74.9939, 0.3353, 0.3920



74.9939, 0.2606, 0.2724

# Square

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



74.9939, 0.3353, 0.3920



74.9939, 0.2505, 0.3128



74.9939, 0.2875, 0.2732

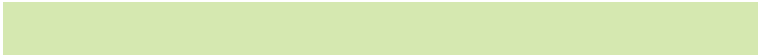


74.9939, 0.3791, 0.3392



# Rectangle

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



74.9939, 0.3353, 0.3920



74.9939, 0.2784, 0.3580



74.9939, 0.2875, 0.2732



74.9939, 0.3463, 0.3018

# Sweetspot

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



74.9972, 0.3353, 0.3920



97.7764, 0.3193, 0.3464



59.1700, 0.3582, 0.3501



20.8885, 0.3199, 0.3480



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

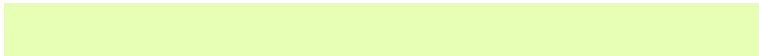


# Same Dimension

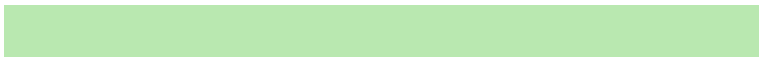
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.9972, 0.3353, 0.3920



91.6804, 0.3398, 0.4060



71.1983, 0.3158, 0.3960



16.5604, 0.3216, 0.3526



35.9017, 0.3611, 0.5515



2.7036, 0.3697, 0.5446



# Inverse Universe

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



48.4720, 0.2858, 0.2635



53.4178, 0.2790, 0.2482



52.5123, 0.3079, 0.2676



14.1228, 0.3033, 0.3051



4.2063, 0.1754, 0.0740

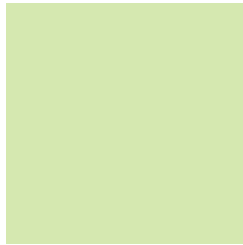


0.3605, 0.1915, 0.0828



# Previews

## White Background



This preview shows how the Yxy color 74.9939, 0.3353, 0.3920 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 74.9939, 0.3353, 0.3920 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

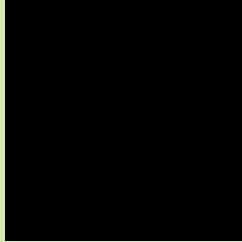
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

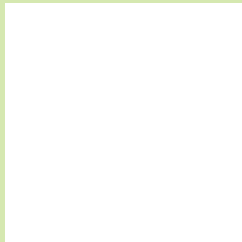
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.9939, 0.3353, 0.3920**

## Background



This preview shows how black text looks on a background with the Yxy color 74.9939, 0.3353, 0.3920.

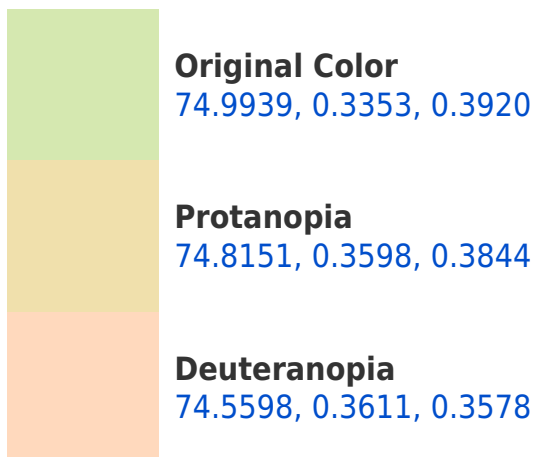


This preview shows how white text looks on a background with the Yxy color 74.9939, 0.3353, 0.3920.

# 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

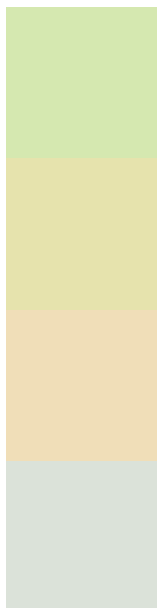




## Tritanopia

74.6558, 0.3005, 0.3100

# Trichromacy



## Original Color

74.9939, 0.3353, 0.3920

## Protanomaly

74.7783, 0.3508, 0.3878

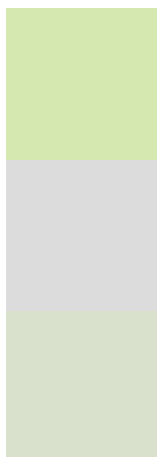
## Deuteranomaly

74.2285, 0.3520, 0.3695

## Tritanomaly

74.4625, 0.3136, 0.3388

# Monochromacy



## Original Color

74.9939, 0.3353, 0.3920

## Achromatopsia

71.5694, 0.3127, 0.3290

## Achromatomaly

72.4227, 0.3209, 0.3512

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.9939, 0.3353, 0.3920 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(213, 232, 176)` looks like.

```
.text, #text, p{  
    color:rgb(213, 232, 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(213, 232, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 232, 176) }
```

## Border

The CSS property to change the border of an element to Yxy 74.9939, 0.3353, 0.3920 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(213, 232, 176) }
```

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

```
.border{ border-color:rgb(213, 232, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 232, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(213, 232, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(213, 232, 176); box-shadow:4px 4px 4px 4px rgb(213, 232, 176) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.9939, 0.3353, 0.3920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 232, 176) }
```

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

```
.background{ background-color: rgb(213,  
232, 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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