

# Converting Colors

$Yxy(73.3854, 0.3549, 0.3991)$

Have a look what the booklet for  
Yxy(73.3854, 0.3549, 0.3991)  
contains.

<b>Yxy(73.2058, 0.3547, 0.3985)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(73.2058, 0.3547, 0.3985)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2E2A3
RGB	226, 226, 163
RGB Percent	89%, 89%, 64%
CMY	0.1139, 0.1136, 0.3608
CMYK	0.00, 0.00, 0.28, 0.11
HSL	60°, 52%, 76%
HSV	60°, 28%, 89%
XYZ	65.1596, 73.2058, 45.3380
YIQ	218.8180, 20.2230, -19.5930

# Conversions

## Conversions Part 2

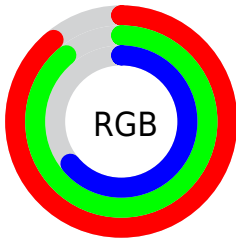
Format	Color
<a href="#">RYB</a>	<a href="#">163, 226, 163</a>
Decimal	<a href="#">14869155</a>
CIELab	<a href="#">88.55, -9.75, 30.90</a>
CIELCh	<a href="#">89, 32.406, 107.514</a>
Yxy	<a href="#">73.2058, 0.3547, 0.3985</a>
Android (android.graphics.Color)	<a href="#">4293059235</a> ( <a href="#">0xFFE2E2A3</a> )
YUV	<a href="#">218.8180, -27.5183, 6.2986</a>
Hunter-Lab	<a href="#">85.5604, -13.7918, 28.4748</a>

# Details

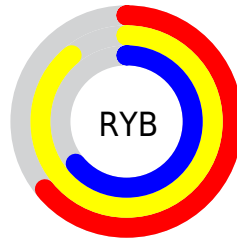
The Yxy color **73.2058, 0.3547, 0.3985** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.4728, 0.2641, 0.2486**, and the grayscale version is **70.8864, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8420, 0.3345, 0.3651**, and **38.8196, 0.3635, 0.4149** is the 20% darker color. If you saturate the color by 10%, you get **72.4663, 0.3694, 0.4228**, and if you desaturate by 10%, it is **74.0967, 0.3395, 0.3734**.

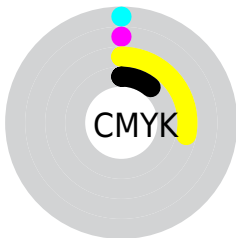
# Distribution



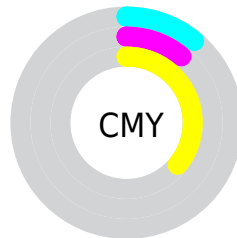
- Red (89%)
- Green (89%)
- Blue (64%)



- Red (64%)
- Yellow (89%)
- Blue (64%)



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



- Cyan (11%)
- Magenta (11%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.2058, 0.3547, 0.3985 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 73.2058, 0.3547, 0.3985 by changing the saturation by 10% instead.





 73.2058, 0.3547,  
0.3985

 73.2058, 0.3547,  
0.3985


471.7278, 0.3359,  
0.3660

 54.1443, 0.3588,  
0.4059


 123.7693, 0.3483,  
0.3872

 38.7170, 0.3637,  
0.4151


 156.0401, 0.3458,  
0.3828

 26.5396, 0.3697,  
0.4267


193.4827, 0.3436,  
0.3790

 17.2278, 0.3772,  
0.4416

236.4816, 0.3417,  
0.3757

 10.3970, 0.3863,  
0.4616

285.4212, 0.3400,  
0.3728

 5.6630, 0.3974,  
0.4889

340.6858, 0.3384,

 2.6413, 0.4300,

0.3703

0.5543

402.6599, 0.3371,  
0.3680

0.9474, 0.4110,  
0.5890

0.0000, 0.0000,  
0.0000

73.2058, 0.3547,  
0.3985

73.2058, 0.3547,  
0.3985

72.4663, 0.3694,  
0.4228

74.0967, 0.3395,  
0.3734

71.8606, 0.3830,  
0.4454

75.1361, 0.3244,  
0.3483


71.3835, 0.3950,  
0.4652

76.3342, 0.3097,  
0.3239

71.0258, 0.4047,  
0.4814

77.6972, 0.2957,  
0.3008


 70.7766, 0.4120,  
0.4935


 77.8040, 0.2947,  
0.2992


 70.6237, 0.4166,  
0.5011


 77.8078, 0.2947,  
0.2992

 70.5495, 0.4188,  
0.5048

 77.8115, 0.2948,  
0.2992

 70.5383, 0.4191,  
0.5054

 77.8153, 0.2948,  
0.2992

 77.8190, 0.2948,  
0.2992

# Harmonies

## Analogous

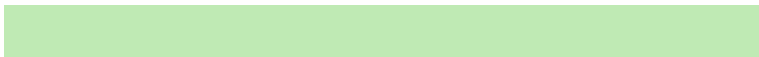
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.2058, 0.3820, 0.3838



73.2058, 0.3547, 0.3985



73.2058, 0.3171, 0.3928

# Triad

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



73.2058, 0.3547, 0.3985



73.2058, 0.2407, 0.2941



73.2058, 0.3441, 0.2953

# Complementary

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



73.2058, 0.3547, 0.3985



39.4728, 0.2641, 0.2486

# Split Complementary

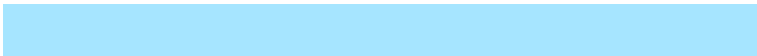
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.2058, 0.3044, 0.2743



73.2058, 0.3547, 0.3985



73.2058, 0.2467, 0.2721

# Square

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



73.2058, 0.3547, 0.3985



73.2058, 0.2524, 0.3286



73.2058, 0.2693, 0.2657



73.2058, 0.3764, 0.3245



# Rectangle

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



73.2058, 0.3547, 0.3985



73.2058, 0.2915, 0.3770



73.2058, 0.2693, 0.2657



73.2058, 0.3311, 0.2872

# Sweetspot

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



73.2091, 0.3547, 0.3985



98.7511, 0.3246, 0.3487



45.0048, 0.3736, 0.3292



21.0898, 0.3269, 0.3525



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.



73.2091, 0.3547, 0.3985



95.6982, 0.3626, 0.4116



68.5834, 0.3311, 0.4042



16.0288, 0.3267, 0.3522



40.2343, 0.4191, 0.5054



2.7891, 0.4192, 0.5054



# Inverse Universe

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



39.4728, 0.2641, 0.2486



44.9400, 0.2532, 0.2305



43.2170, 0.2892, 0.2540



13.2440, 0.2981, 0.3047



3.1338, 0.1500, 0.0600

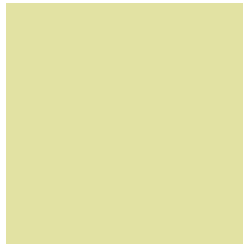


0.2175, 0.1501, 0.0601



# Previews

## White Background



This preview shows how the Yxy color 73.2058, 0.3547, 0.3985 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

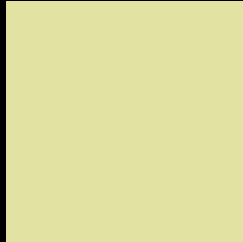
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.2058, 0.3547, 0.3985 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

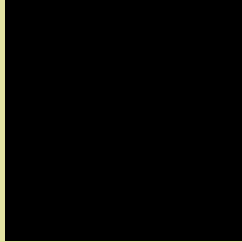
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.2058, 0.3547, 0.3985**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.2058, 0.3547, 0.3985.

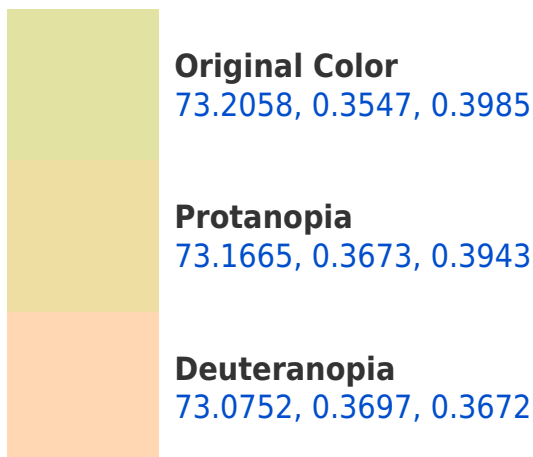


This preview shows how white text looks on a background with the Yxy color 73.2058, 0.3547, 0.3985.

# 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

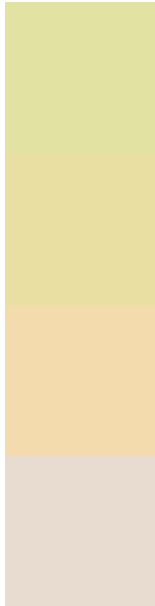




## Tritanopia

73.2284, 0.3143, 0.3113

# Trichromacy



## Original Color

73.2058, 0.3547, 0.3985

## Protanomaly

72.8764, 0.3624, 0.3951

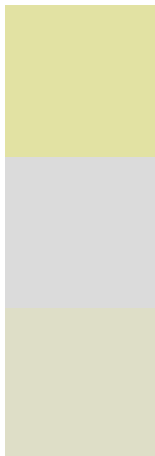
## Deuteranomaly

72.9133, 0.3636, 0.3778

## Tritanomaly

72.8963, 0.3295, 0.3419

# Monochromacy



## Original Color

73.2058, 0.3547, 0.3985

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

71.8957, 0.3281, 0.3544

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.2058, 0.3547, 0.3985 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(226, 226, 163)` looks like.

```
.text, #text, p{  
    color:rgb(226, 226, 163)  
}
```

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(226, 226, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 226, 163) }
```

## Border

The CSS property to change the border of an element to Yxy 73.2058, 0.3547, 0.3985 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(226, 226, 163) }
```

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

```
.border{ border-color:rgb(226, 226, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 226, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 226, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 226, 163);  
box-shadow:4px 4px 4px 4px rgb(226, 226,  
163) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.2058, 0.3547, 0.3985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 226, 163) }
```

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

```
.background{ background-color: rgb(226,  
226, 163) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor