

# Converting Colors

$Y_{xy}(75.5406, 0.3559, 0.3892)$

Have a look what the booklet for  
Yxy(75.5406, 0.3559, 0.3892)  
contains.

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# Color

**Yxy(75.5406, 0.3559, 0.3892)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">EBE3AB</a>
RGB	<a href="#">235, 227, 171</a>
RGB Percent	<a href="#">92%, 89%, 67%</a>
CMY	<a href="#">0.0785, 0.1098, 0.3294</a>
CMYK	<a href="#">0.00, 0.03, 0.27, 0.08</a>
HSL	<a href="#">53°, 62%, 80%</a>
HSV	<a href="#">53°, 27%, 92%</a>
XYZ	<a href="#">69.0773, 75.5406, 49.4740</a>
YIQ	<a href="#">223.0080, 22.7440, -15.7200</a>

# Conversions

## Conversions Part 2

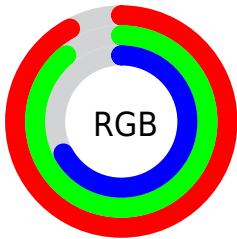
Format	Color
<a href="#">RYB</a>	<a href="#">180, 235, 171</a>
Decimal	<a href="#">15459243</a>
CIELab	<a href="#">89.65, -5.83, 28.39</a>
CIELCh	<a href="#">90, 28.982, 101.601</a>
Yxy	<a href="#">75.5406, 0.3559, 0.3892</a>
Android (android.graphics.Color)	<a href="#">4293649323</a> ( <a href="#">0xFFE3E3AB</a> )
YUV	<a href="#">223.0080, -25.6399, 10.5170</a>
Hunter-Lab	<a href="#">86.9141, -10.2319, 27.0903</a>

# Details

The Yxy color **75.5406, 0.3559, 0.3892** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **46.8913, 0.2663, 0.2606**, and the grayscale version is **73.9725, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3261, 0.3292, 0.3562**, and **40.3968, 0.3661, 0.4039** is the 20% darker color. If you saturate the color by 10%, you get **73.1375, 0.3725, 0.4113**, and if you desaturate by 10%, it is **78.1371, 0.3395, 0.3667**.

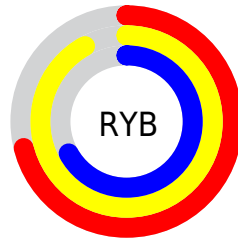
# Distribution



Red (92%)

Green (89%)

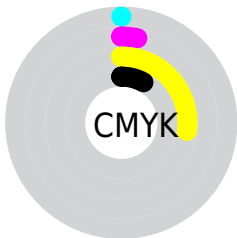
Blue (67%)



Red (71%)

Yellow (92%)

Blue (67%)

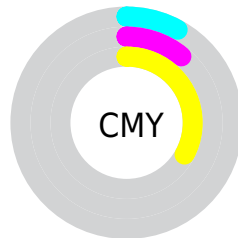


Cyan (0%)

Magenta (3%)

Yellow (27%)

Black (8%)



Cyan (8%)

Magenta (11%)


Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.5406, 0.3559, 0.3892 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 75.5406, 0.3559, 0.3892 by changing the saturation by 10% instead.



 75.5406, 0.3559,  
0.3892

 75.5406, 0.3559,  
0.3892


479.7736, 0.3364,  
0.3614

 56.0559, 0.3602,  
0.3955


 127.0773, 0.3493,  
0.3796

 40.2477, 0.3654,  
0.4032

159.8981, 0.3466,  
0.3758

 27.7317, 0.3718,  
0.4129


197.9330, 0.3444,  
0.3726

 18.1235, 0.3799,  
0.4254

241.5665, 0.3424,  
0.3698

 11.0387, 0.3901,  
0.4419

291.1829, 0.3406,  
0.3673

 6.0929, 0.4034,  
0.4645

347.1666, 0.3390,

 2.9016, 0.4278,

0.3651

0.5055

409.9021, 0.3377,  
0.3631

■ 1.0806, 0.4469,  
0.5531

■ 0.0000, 0.0000,  
0.0000

■ 75.5406, 0.3559,  
0.3892

■ 75.5406, 0.3559,  
0.3892

■ 73.1375, 0.3725,  
0.4113

■ 78.1371, 0.3395,  
0.3667

■ 70.9089, 0.3887,  
0.4321

■ 80.9247, 0.3236,  
0.3445

■ 68.8490, 0.4039,  
0.4506

■ 83.9142, 0.3087,  
0.3232

■ 66.9474, 0.4173,  
0.4659

■ 86.4512, 0.3006,  
0.3127

65.1923, 0.4284,  
0.4770

88.1773, 0.3006,  
0.3157

63.5700, 0.4367,  
0.4836

89.9313, 0.3005,  
0.3186

62.0625, 0.4422,  
0.4859

91.7133, 0.3005,  
0.3215

61.6564, 0.4435,  
0.4861

93.5235, 0.3005,  
0.3245

95.3620, 0.3005,  
0.3274

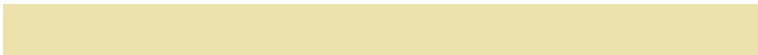
# Harmonies

## Analogous

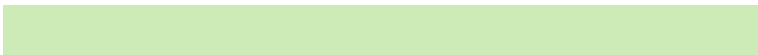
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.5406, 0.3771, 0.3738



75.5406, 0.3559, 0.3892



75.5406, 0.3237, 0.3877

# Triad

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



75.5406, 0.3559, 0.3892



75.5406, 0.2494, 0.3037



75.5406, 0.3339, 0.2946

# Complementary

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



75.5406, 0.3559, 0.3892



46.8913, 0.2663, 0.2606

# Split Complementary

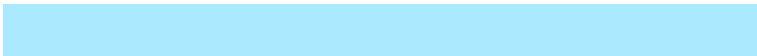
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.5406, 0.2988, 0.2776



75.5406, 0.3559, 0.3892



75.5406, 0.2516, 0.2813

# Square

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



75.5406, 0.3559, 0.3892



75.5406, 0.2629, 0.3355



75.5406, 0.2691, 0.2726



75.5406, 0.3644, 0.3198

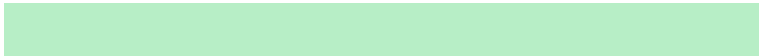


# Rectangle

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



75.5406, 0.3559, 0.3892



75.5406, 0.3007, 0.3760



75.5406, 0.2691, 0.2726



75.5406, 0.3221, 0.2878

# Sweetspot

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



75.5440, 0.3559, 0.3892



97.1436, 0.3249, 0.3463



50.0670, 0.3639, 0.3196



20.6815, 0.3272, 0.3496



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.



75.5440, 0.3559, 0.3892



89.2049, 0.3658, 0.4024



76.2746, 0.3368, 0.4010



17.2879, 0.3271, 0.3494



34.4497, 0.4430, 0.4864



2.7950, 0.4393, 0.4894



# Inverse Universe

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



46.8913, 0.2663, 0.2606



49.0462, 0.2547, 0.2430



46.6598, 0.2831, 0.2544



14.8514, 0.2980, 0.3077



3.9339, 0.1526, 0.0695

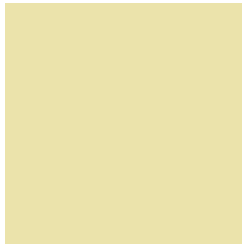


0.4070, 0.1579, 0.0883



# Previews

## White Background



This preview shows how the Yxy color 75.5406, 0.3559, 0.3892 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 75.5406, 0.3559, 0.3892 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

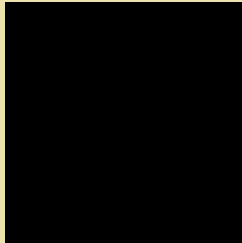
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

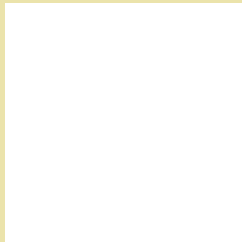
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.5406, 0.3559, 0.3892**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.5406, 0.3559, 0.3892.



This preview shows how white text looks on a background with the Yxy color 75.5406, 0.3559, 0.3892.

# 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



### Original Color

75.5406, 0.3559, 0.3892

### Protanopia

75.4535, 0.3617, 0.3874

### Deuteranopia

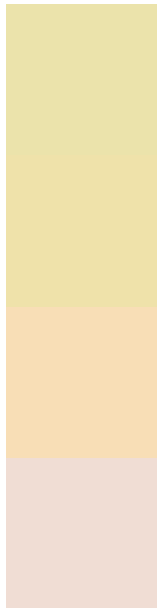
75.5539, 0.3613, 0.3609



## Tritanopia

75.2536, 0.3186, 0.3107

# Trichromacy



## Original Color

75.5406, 0.3559, 0.3892

## Protanomaly

75.6457, 0.3599, 0.3887

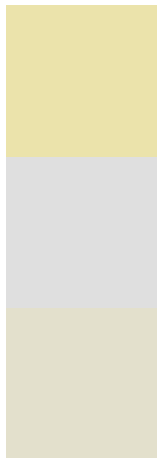
## Deuteranomaly

75.5764, 0.3595, 0.3708

## Tritanomaly

74.9916, 0.3326, 0.3385

# Monochromacy



## Original Color

75.5406, 0.3559, 0.3892

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

74.0018, 0.3281, 0.3507

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.5406, 0.3559, 0.3892 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(235, 227, 171)` looks like.

```
.text, #text, p{  
    color:rgb(235, 227, 171)  
}
```

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(235, 227, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 227, 171) }
```

## Border

The CSS property to change the border of an element to Yxy 75.5406, 0.3559, 0.3892 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(235, 227, 171) }
```

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

```
.border{ border-color:rgb(235, 227, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 227, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(235, 227, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(235, 227, 171); box-shadow:4px 4px 4px 4px rgb(235, 227, 171) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.5406, 0.3559, 0.3892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 227, 171) }
```

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

```
.background{ background-color: rgb(235,  
227, 171) }
```

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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