

# Converting Colors

$Yxy(75.9171, 0.3300, 0.3639)$

Have a look what the booklet for  
Yxy(75.9171, 0.3300, 0.3639)  
contains.

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# Color

**Yxy(75.9171, 0.3300, 0.3639)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0E5C5
RGB	224, 229, 197
RGB Percent	88%, 90%, 77%
CMY	0.1215, 0.1020, 0.2274
CMYK	0.02, 0.00, 0.14, 0.10
HSL	69°, 38%, 84%
HSV	69°, 14%, 90%
XYZ	68.8449, 75.9171, 63.8588
YIQ	223.8570, 7.2920, -11.0120

# Conversions

## Conversions Part 2

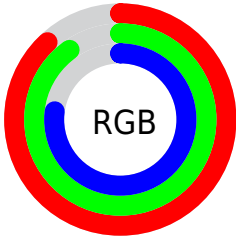
Format	Color
<a href="#">RYB</a>	<a href="#">197, 229, 202</a>
Decimal	<a href="#">14738885</a>
CIELab	<a href="#">89.82, -7.09, 15.04</a>
CIElCh	<a href="#">90, 16.626, 115.236</a>
Yxy	<a href="#">75.9171, 0.3300, 0.3639</a>
Android (android.graphics.Color)	<a href="#">4292928965 (0xFFE0E5C5)</a>
YUV	<a href="#">223.8570, -13.2405, 0.1254</a>
Hunter-Lab	<a href="#">87.1304, -11.4390, 17.5370</a>

# Details

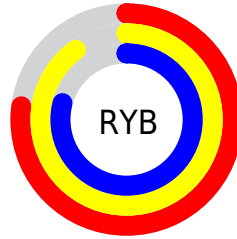
The Yxy color **75.9171, 0.3300, 0.3639** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **58.1537, 0.2940, 0.2924**, and the grayscale version is **74.5313, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.9358, 0.3133, 0.3300**, and **40.6903, 0.3343, 0.3731** is the 20% darker color. If you saturate the color by 10%, you get **74.3858, 0.3425, 0.3900**, and if you desaturate by 10%, it is **77.6264, 0.3176, 0.3387**.

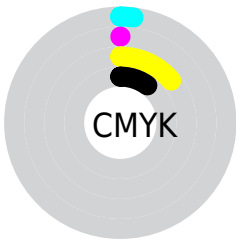
# Distribution



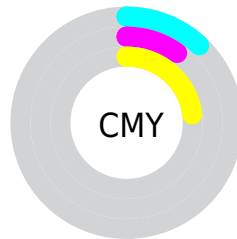
- Red (88%)
- Green (90%)
- Blue (77%)



- Red (77%)
- Yellow (90%)
- Blue (79%)



- Cyan (2%)
- Magenta (0%)
- Yellow (14%)
- Black (10%)




- Cyan (12%)
- Magenta (10%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.9171, 0.3300, 0.3639 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 75.9171, 0.3300, 0.3639 by changing the saturation by 10% instead.




 75.9171, 0.3300,  
0.3639

 75.9171, 0.3300,  
0.3639


481.0639, 0.3222,  
0.3477

 56.3645, 0.3317,  
0.3676


127.6097, 0.3273,  
0.3582

 40.4953, 0.3339,  
0.3723


160.5186, 0.3263,  
0.3560

 27.9249, 0.3365,  
0.3781


198.6483, 0.3254,  
0.3542

 18.2691, 0.3399,  
0.3858

242.3833, 0.3246,  
0.3525

 11.1433, 0.3444,  
0.3964

292.1079, 0.3239,  
0.3511

 6.1633, 0.3506,  
0.4116

348.2067, 0.3232,

 2.9446, 0.3594,

0.3498

0.4354

411.0638, 0.3227,  
0.3487

■ 1.1029, 0.4106,  
0.5263

■ 0.0000, 0.0000,  
0.0000

■ 75.9171, 0.3300,  
0.3639

■ 75.9171, 0.3300,  
0.3639

■ 74.3858, 0.3425,  
0.3900

■ 77.6264, 0.3176,  
0.3387

■ 73.0154, 0.3546,  
0.4163

■ 79.5106, 0.3055,  
0.3148


■ 71.8013, 0.3659,  
0.4418

■ 80.8695, 0.3004,  
0.3028

■ 70.7351, 0.3758,  
0.4655

■ 81.4808, 0.3027,  
0.3030

 69.8075, 0.3837,  
0.4863

 82.1042, 0.3051,  
0.3032


 69.0080, 0.3892,  
0.5033


 82.7399, 0.3075,  
0.3033


 68.3244, 0.3921,  
0.5159

 83.3880, 0.3098,  
0.3035

 67.7420, 0.3924,  
0.5239

 84.0484, 0.3122,  
0.3037

 67.4255, 0.3918,  
0.5271

 84.5171, 0.3139,  
0.3039

# Harmonies

## Analogous

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



75.9171, 0.3453, 0.3600



75.9171, 0.3300, 0.3639



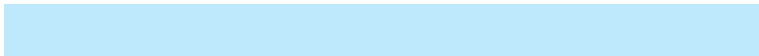
75.9171, 0.3104, 0.3577

# Triad

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



75.9171, 0.3300, 0.3639



75.9171, 0.2751, 0.3082



75.9171, 0.3335, 0.3153

# Complementary

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



75.9171, 0.3300, 0.3639



58.1537, 0.2940, 0.2924

# Split Complementary

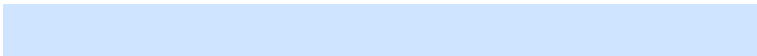
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.9171, 0.3141, 0.3025



75.9171, 0.3300, 0.3639



75.9171, 0.2807, 0.2981

# Square

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



75.9171, 0.3300, 0.3639



75.9171, 0.2790, 0.3246



75.9171, 0.2948, 0.2962



75.9171, 0.3475, 0.3317



# Rectangle

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



75.9171, 0.3300, 0.3639



75.9171, 0.2976, 0.3487



75.9171, 0.2948, 0.2962



75.9171, 0.3274, 0.3105

# Sweetspot

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



75.9204, 0.3300, 0.3639



99.0608, 0.3176, 0.3388



62.8445, 0.3377, 0.3344



21.1662, 0.3186, 0.3407



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

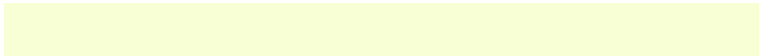


# Same Dimension

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



75.9204, 0.3300, 0.3639



96.2596, 0.3339, 0.3720



73.5098, 0.3187, 0.3651



16.6978, 0.3244, 0.3524



38.5948, 0.3922, 0.5268



2.8827, 0.3964, 0.5235



# Inverse Universe

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



58.1537, 0.2940, 0.2924



69.0980, 0.2892, 0.2833



60.4737, 0.3058, 0.2937



13.9942, 0.3004, 0.3049



3.4779, 0.1566, 0.0637

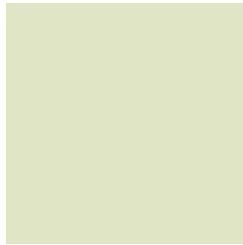


0.2902, 0.1684, 0.0701



# Previews

## White Background



This preview shows how the Yxy color 75.9171, 0.3300, 0.3639 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

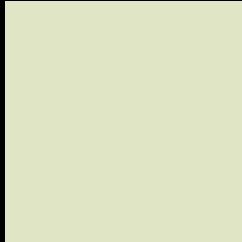
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.9171, 0.3300, 0.3639 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

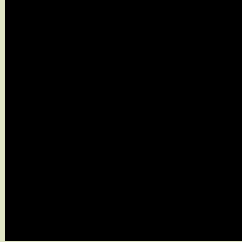
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

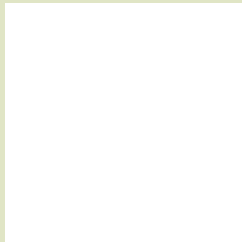
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.9171, 0.3300, 0.3639**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.9171, 0.3300, 0.3639.



This preview shows how white text looks on a background with the Yxy color 75.9171, 0.3300, 0.3639.

# 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

75.9171, 0.3300, 0.3639

### Protanopia

75.7951, 0.3415, 0.3610

### Deuteranopia

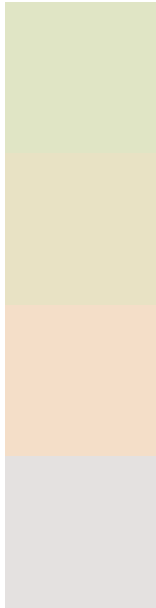
75.6199, 0.3521, 0.3464



## Tritanopia

75.8896, 0.3066, 0.3113

# Trichromacy



**Original Color**

75.9171, 0.3300, 0.3639

**Protanomaly**

75.5340, 0.3369, 0.3613

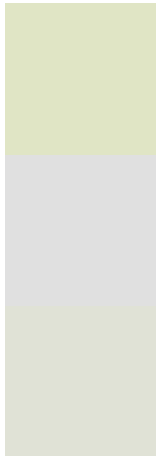
**Deuteranomaly**

75.6458, 0.3437, 0.3521

**Tritanomaly**

75.7262, 0.3155, 0.3301

# Monochromacy



**Original Color**

75.9171, 0.3300, 0.3639

**Achromatopsia**

74.5404, 0.3127, 0.3290

**Achromatomaly**

75.0950, 0.3191, 0.3420

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.9171, 0.3300, 0.3639 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(224, 229, 197)` looks like.

```
.text, #text, p{  
    color:rgb(224, 229, 197)  
}
```

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(224, 229, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 229, 197) }
```

## Border

The CSS property to change the border of an element to Yxy 75.9171, 0.3300, 0.3639 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(224, 229, 197) }
```

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

```
.border{ border-color:rgb(224, 229, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 229, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 229, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 229, 197);  
box-shadow:4px 4px 4px 4px rgb(224, 229,  
197) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.9171, 0.3300, 0.3639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 229, 197) }
```

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

```
.background{ background-color: rgb(224,  
229, 197) }
```

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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