

Converting Colors

$Y_{xy}(71.9730, 0.3435, 0.3638)$

Have a look what the booklet for
Yxy(71.9730, 0.3435, 0.3638)
contains.

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Color

Yxy(71.9730, 0.3435, 0.3638)

Conversions

Conversions Part 1

Format	Color
Hex	E8DCBC
RGB	232, 220, 188
RGB Percent	91%, 86%, 74%
CMY	0.0901, 0.1373, 0.2626
CMYK	0.00, 0.05, 0.19, 0.09
HSL	44°, 49%, 82%
HSV	44°, 19%, 91%
XYZ	67.9569, 71.9730, 57.9068
YIQ	219.9400, 17.4240, -7.4080

Conversions

Conversions Part 2

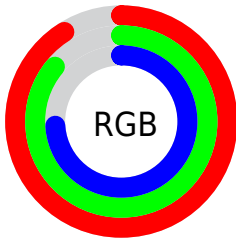
Format	Color
RYB	205, 232, 188
Decimal	15260860
CIELab	87.96, -0.99, 17.19
CIELCh	88, 17.223, 93.287
Yxy	71.9730, 0.3435, 0.3638
Android (android.graphics.Color)	4293450940 (0xFFE8DCBC)
YUV	219.9400, -15.7464, 10.5766
Hunter-Lab	84.8369, -5.4807, 18.9165

Details

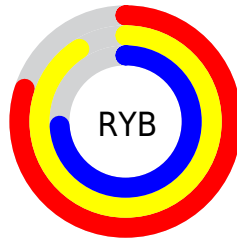
The Yxy color **71.9730, 0.3435, 0.3638** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **57.8602, 0.2822, 0.2916**, and the grayscale version is **71.6341, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3117, 0.3191, 0.3396**, and **37.8896, 0.3504, 0.3716** is the 20% darker color. If you saturate the color by 10%, you get **67.7877, 0.3616, 0.3829**, and if you desaturate by 10%, it is **76.4520, 0.3266, 0.3451**.

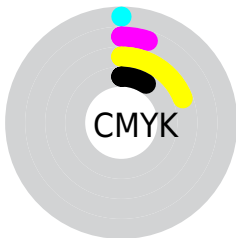
Distribution



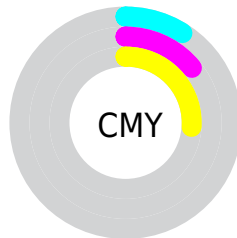
- Red (91%)
- Green (86%)
- Blue (74%)



- Red (80%)
- Yellow (91%)
- Blue (74%)



- Cyan (0%)
- Magenta (5%)
- Yellow (19%)
- Black (9%)



- Cyan (9%)
- Magenta (14%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.9730, 0.3435, 0.3638 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 71.9730, 0.3435, 0.3638 by changing the saturation by 10% instead.

71.9730, 0.3435,
0.3638

71.9730, 0.3435,
0.3638

467.4476, 0.3293,
0.3476

53.1366, 0.3467,
0.3675

122.0181, 0.3386,
0.3582

37.9118, 0.3507,
0.3721

153.9957, 0.3366,
0.3560

25.9143, 0.3558,
0.3778

191.1224, 0.3350,
0.3541

16.7595, 0.3623,
0.3853

233.7827, 0.3335,
0.3525

10.0632, 0.3712,
0.3955

282.3610, 0.3323,
0.3511

5.4409, 0.3837,
0.4100

337.2417, 0.3312,

2.5082, 0.4023,

0.3498

0.4320

398.8091, 0.3302,
0.3487

0.8807, 0.4800,
0.5200

0.0000, 0.0000,
0.0000

71.9730, 0.3435,
0.3638

71.9730, 0.3435,
0.3638

67.7877, 0.3616,
0.3829

76.4520, 0.3266,
0.3451

63.8773, 0.3807,
0.4018

81.2235, 0.3112,
0.3272

60.2354, 0.4002,
0.4196

86.1274, 0.2987,
0.3129

56.8515, 0.4195,
0.4353

89.9076, 0.2987,
0.3193

■ 53.7140, 0.4377,
0.4478

■ 93.8194, 0.2987,
0.3257

■ 50.8099, 0.4538,
0.4561

■ 95.8994, 0.2988,
0.3290

■ 48.1241, 0.4672,
0.4596

■ 45.6341, 0.4775,
0.4584

■ 45.3829, 0.4786,
0.4582

Harmonies

Analogous

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



71.9730, 0.3533, 0.3531



71.9730, 0.3435, 0.3638



71.9730, 0.3256, 0.3652

Triad

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



71.9730, 0.3435, 0.3638



71.9730, 0.2751, 0.3193



71.9730, 0.3199, 0.3041

Complementary

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



71.9730, 0.3435, 0.3638



57.8602, 0.2822, 0.2916

Split Complementary

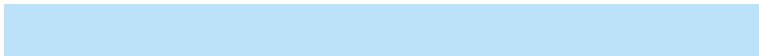
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.9730, 0.2990, 0.2954



71.9730, 0.3435, 0.3638



71.9730, 0.2737, 0.3034

Square

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



71.9730, 0.3435, 0.3638



71.9730, 0.2863, 0.3387



71.9730, 0.2822, 0.2950



71.9730, 0.3394, 0.3190

Rectangle

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



71.9730, 0.3435, 0.3638



71.9730, 0.3116, 0.3601



71.9730, 0.2822, 0.2950



71.9730, 0.3128, 0.3004

Sweetspot

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



71.9762, 0.3435, 0.3638



96.4136, 0.3220, 0.3398



57.3347, 0.3396, 0.3153



20.5547, 0.3230, 0.3409



0.0000, 0.0000, 0.0000



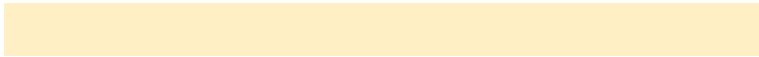
21.4041, 0.3127, 0.3290

Same Dimension

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



71.9762, 0.3435, 0.3638



86.9745, 0.3509, 0.3717



76.9648, 0.3343, 0.3772



16.1158, 0.3274, 0.3460



25.4099, 0.4774, 0.4592



2.0305, 0.4670, 0.4674

Inverse Universe

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



57.8602, 0.2822, 0.2916



66.2820, 0.2749, 0.2823



53.7562, 0.2883, 0.2781



14.5251, 0.2981, 0.3114



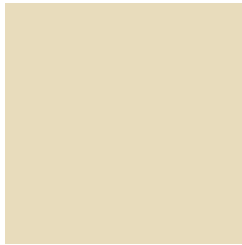
5.4144, 0.1595, 0.0941



0.5516, 0.1674, 0.1225

Previews

White Background



This preview shows how the Yxy color 71.9730, 0.3435, 0.3638 looks on a white background.

Color Contrast Check

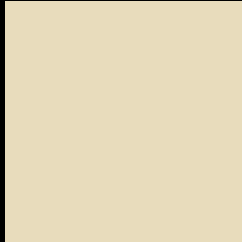
Large Text (above 18pt) WCAG AA × Fail

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 71.9730, 0.3435, 0.3638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

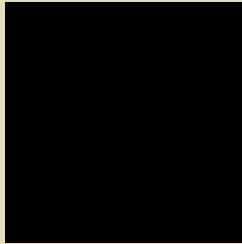
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

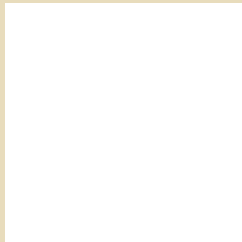
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.9730, 0.3435, 0.3638

Background



This preview shows how black text looks on a background with the Yxy color 71.9730, 0.3435, 0.3638.

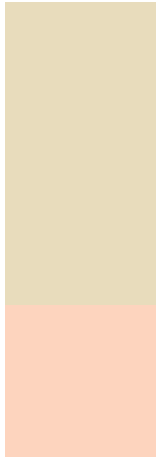


This preview shows how white text looks on a background with the Yxy color 71.9730, 0.3435, 0.3638.

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

71.9730, 0.3435, 0.3638

Protanopia

71.9730, 0.3435, 0.3638

Deuteranopia

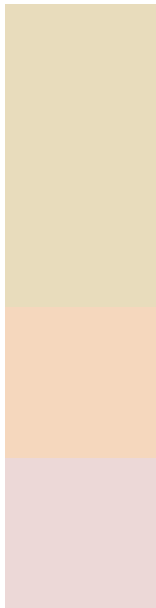
71.6873, 0.3600, 0.3519



Tritanopia

72.0398, 0.3186, 0.3113

Trichromacy



Original Color

71.9730, 0.3435, 0.3638

Protanomaly

71.9730, 0.3435, 0.3638

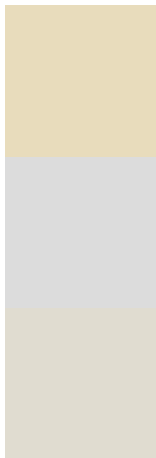
Deuteranomaly

71.6875, 0.3538, 0.3565

Tritanomaly

71.8509, 0.3281, 0.3301

Monochromacy



Original Color

71.9730, 0.3435, 0.3638

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

71.5878, 0.3237, 0.3421

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.9730, 0.3435, 0.3638 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(232, 220, 188)` looks like.

```
.text, #text, p{  
    color:rgb(232, 220, 188)  
}
```

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(232, 220, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 220, 188) }
```

Border

The CSS property to change the border of an element to Yxy 71.9730, 0.3435, 0.3638 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(232, 220, 188) }
```

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

```
.border{ border-color:rgb(232, 220, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 220, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 220, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 220, 188);  
box-shadow:4px 4px 4px 4px rgb(232, 220,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 71.9730, 0.3435, 0.3638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 220, 188) }
```

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

```
.background{ background-color: rgb(232,  
220, 188) }
```

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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