

Converting Colors

$Y_{xy}(72.7852, 0.3423, 0.3726)$

Have a look what the booklet for
Yxy(72.7852, 0.3423, 0.3726)
contains.

Yxy(72.5669, 0.3419, 0.3719)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(72.5669, 0.3419, 0.3719)

Conversions

Conversions Part 1

Format	Color
Hex	E3DFB8
RGB	227, 223, 184
RGB Percent	89%, 87%, 72%
CMY	0.1099, 0.1254, 0.2784
CMYK	0.00, 0.02, 0.19, 0.11
HSL	54°, 43%, 81%
HSV	54°, 19%, 89%
XYZ	66.7132, 72.5669, 55.8447
YIQ	219.7500, 14.9030, -11.2810

Conversions

Conversions Part 2

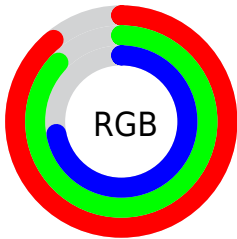
Format	Color
R _Y B	188, 227, 184
Decimal	14933944
CIE Lab	88.24, -4.96, 19.63
CIE LCh	88, 20.250, 104.181
Yxy	72.5669, 0.3419, 0.3719
Android (android.graphics.Color)	4293124024 (0xFFE3DFB8)
YUV	219.7500, -17.6247, 6.3583
Hunter-Lab	85.1862, -9.2845, 20.7622

Details

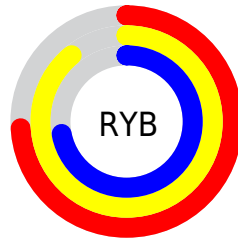
The Yxy color **72.5669, 0.3419, 0.3719** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **51.6937, 0.2817, 0.2821**, and the grayscale version is **71.5044, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0713, 0.3214, 0.3434**, and **38.3019, 0.3482, 0.3822** is the 20% darker color. If you saturate the color by 10%, you get **70.5810, 0.3580, 0.3950**, and if you desaturate by 10%, it is **74.7258, 0.3262, 0.3489**.

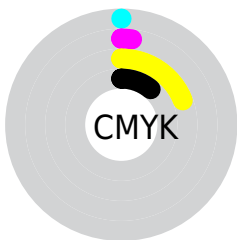
Distribution



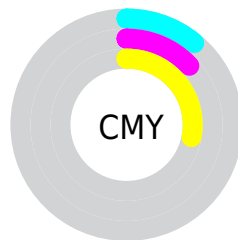
- Red (89%)
- Green (87%)
- Blue (72%)



- Red (74%)
- Yellow (89%)
- Blue (72%)



- Cyan (0%)
- Magenta (2%)
- Yellow (19%)
- Black (11%)





- Cyan (11%)
- Magenta (13%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.5669, 0.3419, 0.3719 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 72.5669, 0.3419, 0.3719 by changing the saturation by 10% instead.


 72.5669, 0.3419,
0.3719

 72.5669, 0.3419,
0.3719


469.5124, 0.3285,
0.3519

 53.6219, 0.3449,
0.3765

 122.8622, 0.3373,
0.3649

 38.2995, 0.3486,
0.3822


154.9812, 0.3355,
0.3622

 26.2152, 0.3532,
0.3895

192.2604, 0.3339,
0.3599

 16.9847, 0.3592,
0.3989


235.0842, 0.3326,
0.3579

 10.2236, 0.3670,
0.4118

283.8368, 0.3314,
0.3561

 5.5474, 0.3779,
0.4303

338.9028, 0.3303,

 2.5719, 0.3937,

0.3545

0.4589

400.6665, 0.3294,
0.3531

0.9126, 0.4498,
0.5502

0.0000, 0.0000,
0.0000

72.5669, 0.3419,
0.3719

72.5669, 0.3419,
0.3719

70.5810, 0.3580,
0.3950

74.7258, 0.3262,
0.3489

68.7512, 0.3741,
0.4176

77.0548, 0.3111,
0.3267

67.0727, 0.3894,
0.4386

79.5637, 0.2971,
0.3056

65.5369, 0.4035,
0.4570

80.9165, 0.2954,
0.3049

64.1342, 0.4156,
0.4720

82.0984, 0.2954,
0.3070

62.8536, 0.4252,
0.4827

83.2943, 0.2955,
0.3092

61.6822, 0.4320,
0.4890

84.5044, 0.2955,
0.3114

60.6001, 0.4363,
0.4913

85.7287, 0.2955,
0.3135

60.4865, 0.4367,
0.4914

86.9672, 0.2956,
0.3157

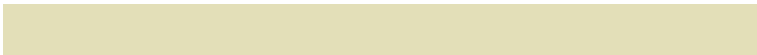
Harmonies

Analogous

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



72.5669, 0.3575, 0.3626



72.5669, 0.3419, 0.3719



72.5669, 0.3188, 0.3691

Triad

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



72.5669, 0.3419, 0.3719



72.5669, 0.2669, 0.3099



72.5669, 0.3300, 0.3056

Complementary

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



72.5669, 0.3419, 0.3719



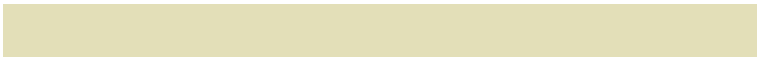
51.6937, 0.2817, 0.2821

Split Complementary

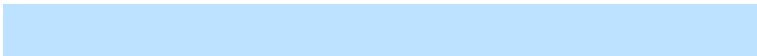
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.5669, 0.3052, 0.2926



72.5669, 0.3419, 0.3719



72.5669, 0.2695, 0.2942

Square

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



72.5669, 0.3419, 0.3719



72.5669, 0.2759, 0.3319



72.5669, 0.2832, 0.2883



72.5669, 0.3506, 0.3245

Rectangle

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



72.5669, 0.3419, 0.3719



72.5669, 0.3024, 0.3603



72.5669, 0.2832, 0.2883



72.5669, 0.3218, 0.3005

Sweetspot

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



72.5701, 0.3419, 0.3719



98.1561, 0.3217, 0.3424



54.2580, 0.3461, 0.3242



20.9676, 0.3227, 0.3439



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.



72.5701, 0.3419, 0.3719



93.3775, 0.3487, 0.3817



72.0572, 0.3285, 0.3779



16.5778, 0.3270, 0.3501



35.3761, 0.4364, 0.4917



2.6809, 0.4336, 0.4939

Inverse Universe

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



51.6937, 0.2817, 0.2821



61.1317, 0.2739, 0.2702



52.2766, 0.2945, 0.2792



14.0999, 0.2980, 0.3070



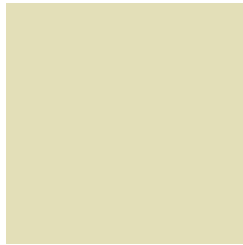
3.6191, 0.1518, 0.0664



0.3412, 0.1562, 0.0821

Previews

White Background



This preview shows how the Yxy color 72.5669, 0.3419, 0.3719 looks on a white background.

Color Contrast Check

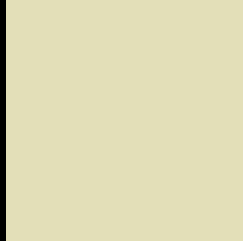
Large Text (above 18pt) WCAG AA × Fail

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 72.5669, 0.3419, 0.3719 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

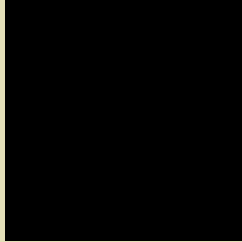
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

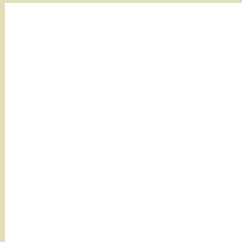
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.5669, 0.3419, 0.3719

Background



This preview shows how black text looks on a background with the Yxy color 72.5669, 0.3419, 0.3719.



This preview shows how white text looks on a background with the Yxy color 72.5669, 0.3419, 0.3719.

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

72.5669, 0.3419, 0.3719

Protanopia

72.6242, 0.3483, 0.3702

Deuteranopia

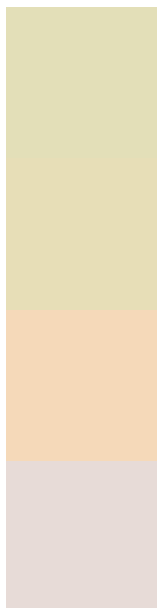
72.3937, 0.3643, 0.3569



Tritanopia

72.4874, 0.3143, 0.3112

Trichromacy



Original Color

72.5669, 0.3419, 0.3719

Protanomaly

72.6504, 0.3458, 0.3716

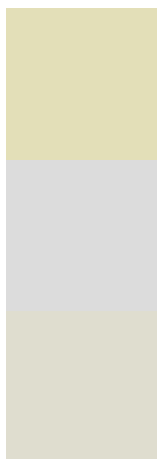
Deuteranomaly

72.5410, 0.3563, 0.3629

Tritanomaly

72.5583, 0.3241, 0.3333

Monochromacy



Original Color

72.5669, 0.3419, 0.3719

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

71.9059, 0.3235, 0.3444

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.5669, 0.3419, 0.3719 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(227, 223, 184)` looks like.

```
.text, #text, p{  
    color:rgb(227, 223, 184)  
}
```

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(227, 223, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 223, 184) }
```

Border

The CSS property to change the border of an element to Yxy 72.5669, 0.3419, 0.3719 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(227, 223, 184) }
```

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

```
.border{ border-color:rgb(227, 223, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 223, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 223, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 223, 184);  
box-shadow:4px 4px 4px 4px rgb(227, 223,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 72.5669, 0.3419, 0.3719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 223, 184) }
```

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

```
.background{ background-color: rgb(227,  
223, 184) }
```

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