

Converting Colors

Yxy(69.9382, 0.3640, 0.4039)

Have a look what the booklet for
Yxy(69.9382, 0.3640, 0.4039)
contains.

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Color

Yxy(69.8172, 0.3640, 0.4033)

Conversions

Conversions Part 1

Format	Color
Hex	E3DC99
RGB	227, 220, 153
RGB Percent	89%, 86%, 60%
CMY	0.1099, 0.1372, 0.4001
CMYK	0.00, 0.03, 0.33, 0.11
HSL	54°, 57%, 75%
HSV	54°, 33%, 89%
XYZ	63.0138, 69.8172, 40.2838
YIQ	214.4550, 25.6790, -19.3530

Conversions

Conversions Part 2

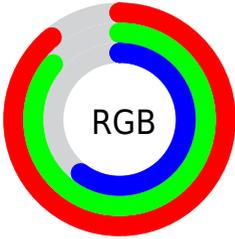
Format	Color
RYB	161, 227, 153
Decimal	14933145
CIELab	86.91, -7.58, 33.85
CIELCh	87, 34.687, 102.627
Yxy	69.8172, 0.3640, 0.4033
Android (android.graphics.Color)	4293123225 (0xFFE3DC99)
YUV	214.4550, -30.2973, 11.0020
Hunter-Lab	83.5567, -11.6095, 29.9052

Details

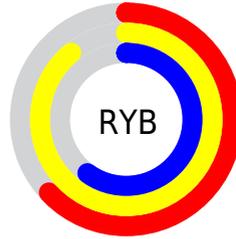
The Yxy color **69.8172, 0.3640, 0.4033** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.4361, 0.2556, 0.2419**, and the grayscale version is **67.7615, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3341, 0.3406, 0.3751**, and **36.5078, 0.3758, 0.4209** is the 20% darker color. If you saturate the color by 10%, you get **68.0272, 0.3799, 0.4253**, and if you desaturate by 10%, it is **71.7705, 0.3478, 0.3803**.

Distribution



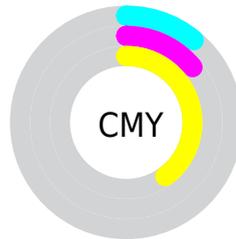
- Red (89%)
- Green (86%)
- Blue (60%)



- Red (63%)
- Yellow (89%)
- Blue (60%)



- Cyan (0%)
- Magenta (3%)
- Yellow (33%)
- Black (11%)



- Cyan (11%)
- Magenta (14%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.8172, 0.3640, 0.4033 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 69.8172, 0.3640, 0.4033 by changing the saturation by 10% instead.

 69.8172, 0.3640,
0.4033

 69.8172, 0.3640,
0.4033

459.9079, 0.3407,
0.3685

 51.3775, 0.3691,
0.4112

 118.9480, 0.3561,
0.3912

 36.5091, 0.3752,
0.4210

 150.4080, 0.3530,
0.3865

 24.8277, 0.3827,
0.4332

186.9768, 0.3502,
0.3825

 15.9487, 0.3919,
0.4490

229.0389, 0.3479,
0.3789

 9.4879, 0.4032,
0.4696

276.9787, 0.3458,
0.3758

 5.0607, 0.4167,
0.4971

331.1805, 0.3439,

 2.2829, 0.4463,

0.3731

0.5537

392.0288, 0.3422,
0.3707

0.7647, 0.4147,
0.5853

0.0000, 0.0000,
0.0000

69.8172, 0.3640,
0.4033

69.8172, 0.3640,
0.4033

68.0272, 0.3799,
0.4253

71.7705, 0.3478,
0.3803

66.3828, 0.3949,
0.4455

73.8851, 0.3319,
0.3572

64.8782, 0.4083,
0.4627

76.1711, 0.3166,
0.3347

63.5034, 0.4196,
0.4762

78.6352, 0.3021,
0.3132

 62.2467, 0.4283,
0.4853

 80.5226, 0.2954,
0.3041

 61.0943, 0.4341,
0.4900

 81.7224, 0.2954,
0.3064

 60.2918, 0.4371,
0.4912

 82.9369, 0.2955,
0.3086

 84.1659, 0.2955,
0.3108

 85.4097, 0.2955,
0.3130

Harmonies

Analogous

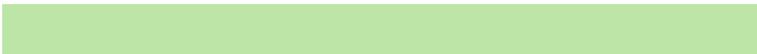
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.8172, 0.3911, 0.3839



69.8172, 0.3640, 0.4033



69.8172, 0.3241, 0.4015

Triad

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



69.8172, 0.3640, 0.4033



69.8172, 0.2356, 0.2961



69.8172, 0.3399, 0.2881

Complementary

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



69.8172, 0.3640, 0.4033



37.4361, 0.2556, 0.2419

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.



69.8172, 0.2968, 0.2674



69.8172, 0.3640, 0.4033



69.8172, 0.2390, 0.2699

Square

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



69.8172, 0.3640, 0.4033



69.8172, 0.2511, 0.3352



69.8172, 0.2605, 0.2605



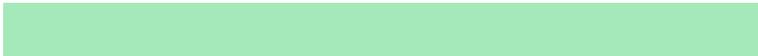
69.8172, 0.3774, 0.3185

Rectangle

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



69.8172, 0.3640, 0.4033



69.8172, 0.2961, 0.3866



69.8172, 0.2605, 0.2605



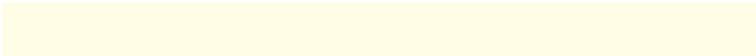
69.8172, 0.3254, 0.2799

Sweetspot

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



69.8204, 0.3640, 0.4033



96.9449, 0.3279, 0.3515



41.6550, 0.3804, 0.3205



20.6623, 0.3301, 0.3547



0.0000, 0.0000, 0.0000



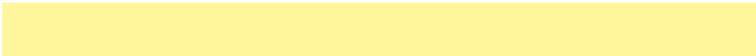
21.4041, 0.3127, 0.3290

Same Dimension

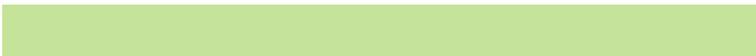
The Same Dimension uses a secret algorithm to generate beautiful new colors.



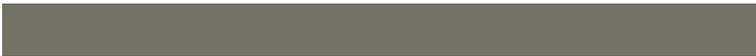
69.8204, 0.3640, 0.4033



89.3435, 0.3746, 0.4181



69.1437, 0.3394, 0.4166



16.5733, 0.3270, 0.3501



35.2652, 0.4368, 0.4914



2.6738, 0.4339, 0.4937

Inverse Universe

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



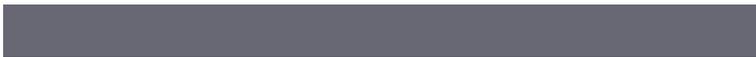
37.4361, 0.2556, 0.2419



41.1176, 0.2420, 0.2206



38.3373, 0.2780, 0.2385



14.1039, 0.2980, 0.3070



3.6287, 0.1518, 0.0665



0.3431, 0.1563, 0.0825

Previews

White Background



This preview shows how the Yxy color 69.8172, 0.3640, 0.4033 looks on a white background.

Color Contrast Check

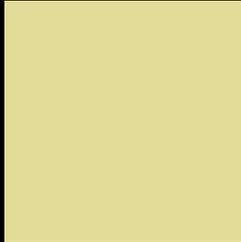
Large Text (above 18pt) WCAG AA × Fail

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 69.8172, 0.3640, 0.4033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

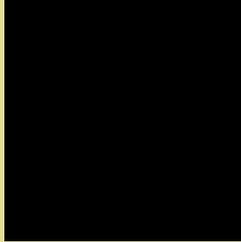
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

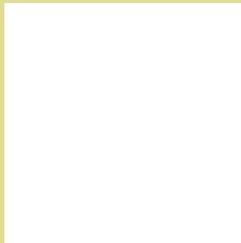
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.8172, 0.3640, 0.4033

Background



This preview shows how black text looks on a background with the Yxy color 69.8172, 0.3640, 0.4033.



This preview shows how white text looks on a background with the Yxy color 69.8172, 0.3640, 0.4033.

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

69.8172, 0.3640, 0.4033

Protanopia

69.5549, 0.3720, 0.3997

Deuteranopia

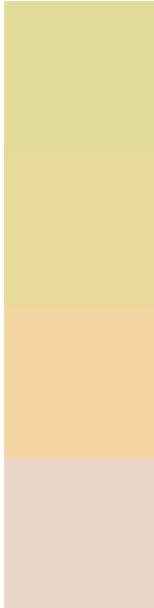
69.4696, 0.3837, 0.3777



Tritanopia

69.9674, 0.3202, 0.3122

Trichromacy



Original Color

69.8172, 0.3640, 0.4033

Protanomaly

69.5656, 0.3693, 0.4013

Deuteranomaly

69.5042, 0.3764, 0.3864

Tritanomaly

69.5869, 0.3368, 0.3442

Monochromacy



Original Color

69.8172, 0.3640, 0.4033

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

67.9776, 0.3315, 0.3561

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.8172, 0.3640, 0.4033 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, 220, 153)` looks like.

```
.text, #text, p{  
    color:rgb(227, 220, 153)  
}
```

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, 220, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 220, 153) }
```

Border

The CSS property to change the border of an element to Yxy 69.8172, 0.3640, 0.4033 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, 220, 153) }
```

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

```
.border{ border-color:rgb(227, 220, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 220, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 220, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 220, 153); box-shadow:4px 4px 4px 4px rgb(227, 220, 153) }
```

Background

The CSS property to change the background color of an element to Yxy 69.8172, 0.3640, 0.4033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 220, 153) }
```

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

```
.background{ background-color: rgb(227,  
220, 153) }
```

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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