

Converting Colors

$Y_{xy}(72.5532, 0.3705, 0.4256)$

Have a look what the booklet for
Yxy(72.5532, 0.3705, 0.4256)
contains.

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Color

Yxy(72.3964, 0.3709, 0.4253)

Conversions

Conversions Part 1

Format	Color
Hex	E2E28A
RGB	226, 226, 138
RGB Percent	89%, 89%, 54%
CMY	0.1139, 0.1136, 0.4588
CMYK	0.00, 0.00, 0.39, 0.11
HSL	60°, 60%, 71%
HSV	60°, 39%, 89%
XYZ	63.1362, 72.3964, 34.6917
YIQ	215.9680, 28.2480, -27.3680

Conversions

Conversions Part 2

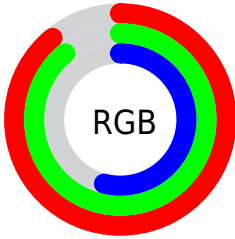
Format	Color
RYB	138, 226, 138
Decimal	14869130
CIELab	88.16, -12.70, 42.98
CIElCh	88, 44.820, 106.456
Yxy	72.3964, 0.3709, 0.4253
Android (android.graphics.Color)	4293059210 (0xFFE2E28A)
YUV	215.9680, -38.4382, 8.7981
Hunter-Lab	85.0861, -16.4487, 35.3862

Details

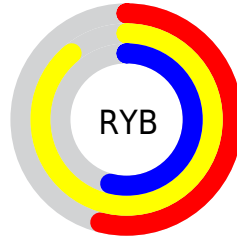
The Yxy color **72.3964, 0.3709, 0.4253** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **29.0801, 0.2410, 0.2104**, and the grayscale version is **68.8963, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6303, 0.3496, 0.3900**, and **38.2327, 0.3822, 0.4482** is the 20% darker color. If you saturate the color by 10%, you get **71.8087, 0.3844, 0.4476**, and if you desaturate by 10%, it is **73.1269, 0.3563, 0.4011**.

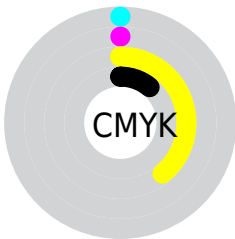
Distribution



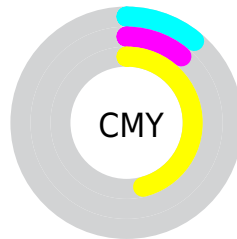
- Red (89%)
- Green (89%)
- Blue (54%)



- Red (54%)
- Yellow (89%)
- Blue (54%)



- Cyan (0%)
- Magenta (0%)
- Yellow (39%)
- Black (11%)




- Cyan (11%)
- Magenta (11%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.3964, 0.3709, 0.4253 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 72.3964, 0.3709, 0.4253 by changing the saturation by 10% instead.


 72.3964, 0.3709,
0.4253


 72.3964, 0.3709,
0.4253

468.9202, 0.3454,
0.3804


 53.4826, 0.3762,
0.4354


 122.6199, 0.3624,
0.4098

 38.1881, 0.3824,
0.4477


 154.6984, 0.3590,
0.4037

 26.1287, 0.3896,
0.4629

 191.9339, 0.3560,
0.3985

 16.9200, 0.3979,
0.4821

234.7108, 0.3534,
0.3939

 10.1774, 0.4070,
0.5064

283.4135, 0.3510,
0.3899

 5.5168, 0.4192,
0.5425

338.4263, 0.3489,

 2.5535, 0.4203,

0.3864

0.5797

400.1337, 0.3471,
0.3832

■ 0.9034, 0.3778,
0.6222

■ 0.0000, 0.0000,
0.0000

■ 72.3964, 0.3709,
0.4253

■ 72.3964, 0.3709,
0.4253

■ 71.8087, 0.3844,
0.4476

■ 73.1269, 0.3563,
0.4011

■ 71.3455, 0.3961,
0.4671


■ 73.9981, 0.3411,
0.3760


■ 71.0004, 0.4057,
0.4829


■ 75.0205, 0.3260,
0.3509

■ 70.7629, 0.4126,
0.4944


■ 76.2008, 0.3112,
0.3265

 70.6200, 0.4170,
0.5017


 77.5453, 0.2971,
0.3032


 70.5521, 0.4190,
0.5051

 77.8023, 0.2947,
0.2992

 70.5466, 0.4192,
0.5054

 77.8053, 0.2947,
0.2992

 77.8082, 0.2947,
0.2992

 77.8112, 0.2948,
0.2992

Harmonies

Analogous

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



72.3964, 0.4088, 0.4013



72.3964, 0.3709, 0.4253



72.3964, 0.3192, 0.4207

Triad

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



72.3964, 0.3709, 0.4253



72.3964, 0.2156, 0.2808



72.3964, 0.3539, 0.2820

Complementary

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



72.3964, 0.3709, 0.4253



29.0801, 0.2410, 0.2104

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.



72.3964, 0.2986, 0.2548



72.3964, 0.3709, 0.4253



72.3964, 0.2228, 0.2516

Square

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



72.3964, 0.3709, 0.4253



72.3964, 0.2312, 0.3290



72.3964, 0.2517, 0.2435



72.3964, 0.4002, 0.3201

Rectangle

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



72.3964, 0.3709, 0.4253



72.3964, 0.2842, 0.3988



72.3964, 0.2517, 0.2435



72.3964, 0.3355, 0.2714

Sweetspot

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



72.3997, 0.3709, 0.4253



98.1789, 0.3307, 0.3588



36.1854, 0.4099, 0.3293



20.9758, 0.3327, 0.3621



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.



72.3997, 0.3709, 0.4253



94.5151, 0.3823, 0.4442



66.1857, 0.3374, 0.4372



16.0290, 0.3267, 0.3522



40.2388, 0.4192, 0.5054



2.7893, 0.4192, 0.5053

Inverse Universe

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



29.0801, 0.2410, 0.2104



29.7612, 0.2229, 0.1804



33.6169, 0.2771, 0.2212



13.2439, 0.2981, 0.3047



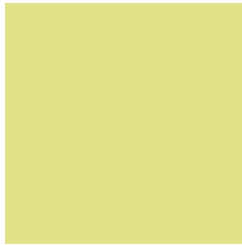
3.1335, 0.1500, 0.0600



0.2174, 0.1501, 0.0601

Previews

White Background



This preview shows how the Yxy color 72.3964, 0.3709, 0.4253 looks on a white background.

Color Contrast Check

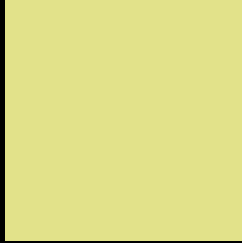
Large Text (above 18pt) WCAG AA × Fail

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 72.3964, 0.3709, 0.4253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

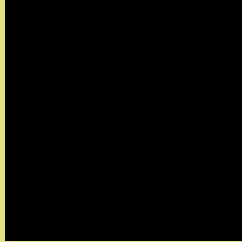
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.3964, 0.3709, 0.4253

Background



This preview shows how black text looks on a background with the Yxy color 72.3964, 0.3709, 0.4253.



This preview shows how white text looks on a background with the Yxy color 72.3964, 0.3709, 0.4253.

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

72.3964, 0.3709, 0.4253

Protanopia

72.1912, 0.3860, 0.4185

Deuteranopia

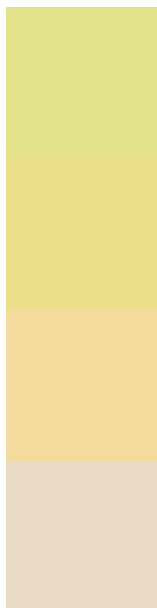
72.1803, 0.3774, 0.3765



Tritanopia

72.4316, 0.3172, 0.3113

Trichromacy



Original Color

72.3964, 0.3709, 0.4253

Protanomaly

72.4144, 0.3806, 0.4208

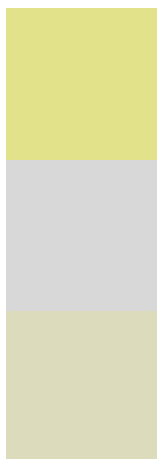
Deuteranomaly

71.8102, 0.3753, 0.3936

Tritanomaly

72.0639, 0.3374, 0.3517

Monochromacy



Original Color

72.3964, 0.3709, 0.4253

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

70.0329, 0.3344, 0.3649

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.3964, 0.3709, 0.4253 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(226, 226, 138)` looks like.

```
.text, #text, p{  
    color:rgb(226, 226, 138)  
}
```

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(226, 226, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 226, 138) }
```

Border

The CSS property to change the border of an element to Yxy 72.3964, 0.3709, 0.4253 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(226, 226, 138) }
```

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

```
.border{ border-color:rgb(226, 226, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 226, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 226, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 226, 138);  
box-shadow:4px 4px 4px 4px rgb(226, 226,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 72.3964, 0.3709, 0.4253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 226, 138) }
```

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

```
.background{ background-color: rgb(226,  
226, 138) }
```

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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