

Converting Colors

$Y_{xy}(72.6833, 0.3742, 0.4358)$

Have a look what the booklet for
Yxy(72.6833, 0.3742, 0.4358)
contains.

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Color

Yxy(72.3972, 0.3739, 0.4350)

Conversions

Conversions Part 1

Format	Color
Hex	E0E382
RGB	224, 227, 130
RGB Percent	88%, 89%, 51%
CMY	0.1217, 0.1097, 0.4903
CMYK	0.01, 0.00, 0.43, 0.11
HSL	62°, 63%, 70%
HSV	62°, 43%, 89%
XYZ	62.2283, 72.3972, 31.8048
YIQ	215.0450, 29.3490, -30.8030

Conversions

Conversions Part 2

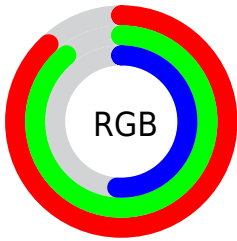
Format	Color
R_{YB}	130, 227, 133
Decimal	14738306
CIE _{Lab}	88.16, -14.80, 46.88
CIE _{LCh}	88, 49.165, 107.519
Yxy	72.3972, 0.3739, 0.4350
Android (android.graphics.Color)	4292928386 (0xFFE0E382)
YUV	215.0450, -41.9272, 7.8535
Hunter-Lab	85.0865, -18.3549, 37.3983

Details

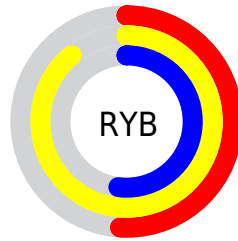
The Yxy color **72.3972, 0.3739, 0.4350** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **26.4963, 0.2350, 0.1975**, and the grayscale version is **68.2585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2407, 0.3550, 0.3988**, and **38.2706, 0.3852, 0.4598** is the 20% darker color. If you saturate the color by 10%, you get **71.7427, 0.3862, 0.4569**, and if you desaturate by 10%, it is **73.1933, 0.3602, 0.4110**.

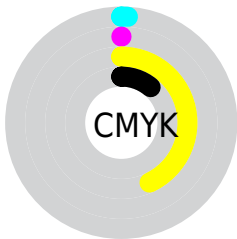
Distribution



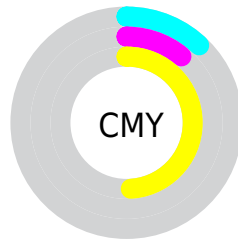
- Red (88%)
- Green (89%)
- Blue (51%)



- Red (51%)
- Yellow (89%)
- Blue (52%)



- Cyan (1%)
- Magenta (0%)
- Yellow (43%)
- Black (11%)



- Cyan (12%)
- Magenta (11%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.3972, 0.3739, 0.4350 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 72.3972, 0.3739, 0.4350 by changing the saturation by 10% instead.


 72.3972, 0.3739,
0.4350


 72.3972, 0.3739,
0.4350


468.9229, 0.3474,
0.3856

 53.4832, 0.3792,
0.4460


 122.6211, 0.3652,
0.4180

 38.1887, 0.3854,
0.4595


 154.6997, 0.3617,
0.4113

 26.1291, 0.3924,
0.4760


 191.9354, 0.3586,
0.4056

 16.9203, 0.4001,
0.4965

234.7125, 0.3558,
0.4005

 10.1777, 0.4077,
0.5221

283.4154, 0.3534,
0.3961

 5.5169, 0.4220,
0.5660

338.4285, 0.3512,

 2.5536, 0.4089,

0.3922

0.5911

400.1362, 0.3492,
0.3887

0.9034, 0.3550,
0.6450

0.0000, 0.0000,
0.0000

72.3972, 0.3739,
0.4350

72.3972, 0.3739,
0.4350

71.7427, 0.3862,
0.4569

73.1933, 0.3602,
0.4110

71.2108, 0.3966,
0.4756


74.1292, 0.3457,
0.3859

70.7950, 0.4047,
0.4905

75.2156, 0.3311,
0.3605


70.4835, 0.4101,
0.5010


76.4596, 0.3166,
0.3357


 70.2626, 0.4130,
0.5072

 77.8676, 0.3027,
0.3119

 70.1427, 0.4138,
0.5097

 78.7040, 0.2962,
0.3004

 78.8215, 0.2966,
0.3004

 78.9394, 0.2971,
0.3005

 79.0579, 0.2976,
0.3005

Harmonies

Analogous

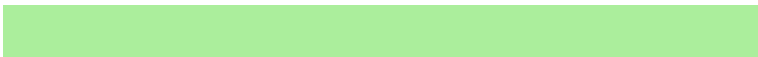
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.3972, 0.4165, 0.4085



72.3972, 0.3739, 0.4350



72.3972, 0.3171, 0.4296

Triad

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



72.3972, 0.3739, 0.4350



72.3972, 0.2071, 0.2743



72.3972, 0.3598, 0.2791

Complementary

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



72.3972, 0.3739, 0.4350



26.4963, 0.2350, 0.1975

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.



72.3972, 0.2991, 0.2493



72.3972, 0.3739, 0.4350



72.3972, 0.2157, 0.2439

Square

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



72.3972, 0.3739, 0.4350



72.3972, 0.2229, 0.3264



72.3972, 0.2476, 0.2363



72.3972, 0.4102, 0.3203

Rectangle

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



72.3972, 0.3739, 0.4350



72.3972, 0.2792, 0.4046



72.3972, 0.2476, 0.2363



72.3972, 0.3396, 0.2676

Sweetspot

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



72.4005, 0.3739, 0.4350



97.8482, 0.3316, 0.3613



34.3382, 0.4235, 0.3312



20.8729, 0.3348, 0.3670



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.



72.4005, 0.3739, 0.4350



93.4901, 0.3846, 0.4539



65.8928, 0.3381, 0.4491



16.7928, 0.3263, 0.3522



40.9099, 0.4139, 0.5096



3.0304, 0.4147, 0.5089

Inverse Universe

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



26.4963, 0.2350, 0.1975



26.5456, 0.2167, 0.1671



31.2239, 0.2741, 0.2103



13.9087, 0.2985, 0.3047



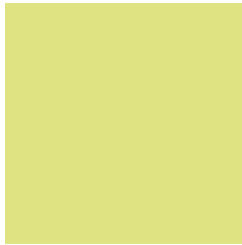
3.2708, 0.1510, 0.0606



0.2494, 0.1539, 0.0621

Previews

White Background



This preview shows how the Yxy color 72.3972, 0.3739, 0.4350 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 72.3972, 0.3739, 0.4350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

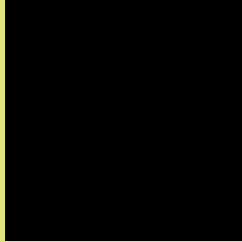
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.3972, 0.3739, 0.4350

Background



This preview shows how black text looks on a background with the Yxy color 72.3972, 0.3739, 0.4350.

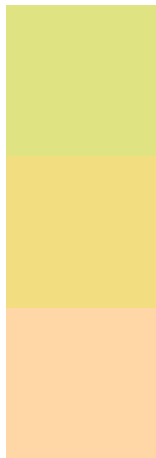


This preview shows how white text looks on a background with the Yxy color 72.3972, 0.3739, 0.4350.

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

72.3972, 0.3739, 0.4350

Protanopia

72.1487, 0.3919, 0.4260

Deuteranopia

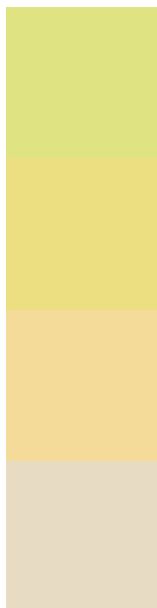
72.1063, 0.3789, 0.3786



Tritanopia

72.0892, 0.3157, 0.3112

Trichromacy



Original Color

72.3972, 0.3739, 0.4350

Protanomaly

72.0225, 0.3848, 0.4290

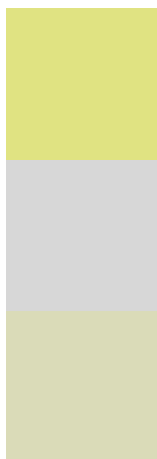
Deuteranomaly

72.1960, 0.3777, 0.3988

Tritanomaly

71.5921, 0.3380, 0.3551

Monochromacy



Original Color

72.3972, 0.3739, 0.4350

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

69.0292, 0.3358, 0.3686

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.3972, 0.3739, 0.4350 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, 227, 130)` looks like.

```
.text, #text, p{  
    color:rgb(224, 227, 130)  
}
```

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, 227, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 227, 130) }
```

Border

The CSS property to change the border of an element to Yxy 72.3972, 0.3739, 0.4350 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, 227, 130) }
```

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

```
.border{ border-color:rgb(224, 227, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 227, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 227, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 227, 130);  
box-shadow:4px 4px 4px 4px rgb(224, 227,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 72.3972, 0.3739, 0.4350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 227, 130) }
```

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

```
.background{ background-color: rgb(224,  
227, 130) }
```

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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