

Converting Colors

$Y_{xy}(71.8255, 0.4081, 0.4850)$

Have a look what the booklet for
Yxy(71.8255, 0.4081, 0.4850)
contains.

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Color

Yxy(71.8255, 0.4081, 0.4850)

Conversions

Conversions Part 1

Format	Color
Hex	E4E342
RGB	228, 227, 66
RGB Percent	89%, 89%, 26%
CMY	0.1061, 0.1097, 0.7412
CMYK	0.00, 0.00, 0.71, 0.11
HSL	60°, 75%, 58%
HSV	60°, 71%, 89%
XYZ	60.4371, 71.8255, 15.8312
YIQ	208.9450, 52.2770, -49.8590

Conversions

Conversions Part 2

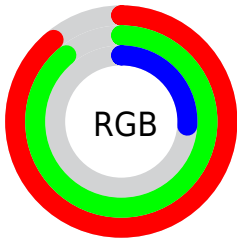
Format	Color
RYB	67, 228, 66
Decimal	15000386
CIELab	87.88, -17.82, 73.94
CIELCh	88, 76.061, 103.550
Yxy	71.8255, 0.4081, 0.4850
Android (android.graphics.Color)	4293190466 (0xFFE4E342)
YUV	208.9450, -70.4719, 16.7112
Hunter-Lab	84.7499, -21.0200, 48.2496

Details

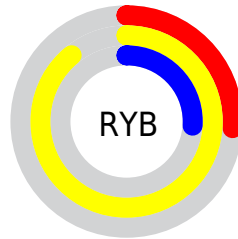
The Yxy color **71.8255, 0.4081, 0.4850** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **10.7637, 0.1763, 0.1040**, and the grayscale version is **64.1638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2352, 0.3879, 0.4533**, and **37.9401, 0.4163, 0.5076** is the 20% darker color. If you saturate the color by 10%, you get **71.5393, 0.4147, 0.4956**, and if you desaturate by 10%, it is **72.2255, 0.3989, 0.4701**.

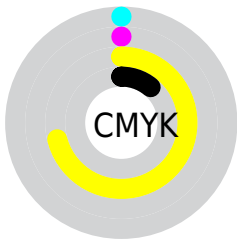
Distribution



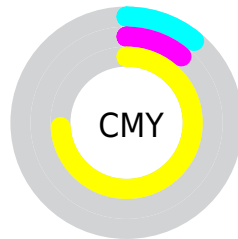
- Red (89%)
- Green (89%)
- Blue (26%)



- Red (26%)
- Yellow (89%)
- Blue (26%)



- Cyan (0%)
- Magenta (0%)
- Yellow (71%)
- Black (11%)





- Cyan (11%)
- Magenta (11%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.8255, 0.4081, 0.4850 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 71.8255, 0.4081, 0.4850 by changing the saturation by 10% instead.


 71.8255, 0.4081,
0.4850

 71.8255, 0.4081,
0.4850


466.9340, 0.3704,
0.4158

 53.0161, 0.4142,
0.4988


 121.8084, 0.3969,
0.4624

 37.8157, 0.4202,
0.5144


 153.7507, 0.3920,
0.4531

 25.8396, 0.4253,
0.5319


 190.8395, 0.3875,
0.4450

 16.7037, 0.4288,
0.5514

 233.4592, 0.3834,
0.4377

 10.0235, 0.4279,
0.5721

 281.9940, 0.3797,
0.4313

 5.4145, 0.4140,
0.5860


336.8285, 0.3763,

 2.4925, 0.3915,


0.4256


0.6085


398.3471, 0.3732,
0.4204


 0.8729, 0.3113,
0.6887


 0.0000, 0.0000,
0.0000

 71.8255, 0.4081,
0.4850


 71.8255, 0.4081,
0.4850


 71.5393, 0.4147,
0.4956


 72.2255, 0.3989,
0.4701

 71.3432, 0.4186,
0.5018


 72.7407, 0.3874,
0.4514


 71.2268, 0.4203,
0.5044

 73.3843, 0.3742,
0.4297

 74.1652, 0.3596,
0.4059

 75.0914, 0.3444,
0.3811

 76.1705, 0.3292,
0.3560

 77.4094, 0.3142,
0.3315

 78.8146, 0.3000,
0.3081

 79.3074, 0.2960,
0.3016

Harmonies

Analogous

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



71.8255, 0.4715, 0.4308



71.8255, 0.4081, 0.4850



71.8255, 0.3246, 0.4962

Triad

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



71.8255, 0.4081, 0.4850



71.8255, 0.1605, 0.2505



71.8255, 0.3713, 0.2484

Complementary

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



71.8255, 0.4081, 0.4850



10.7637, 0.1763, 0.1040

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.



71.8255, 0.2783, 0.2101



71.8255, 0.4081, 0.4850



71.8255, 0.1689, 0.2060

Square

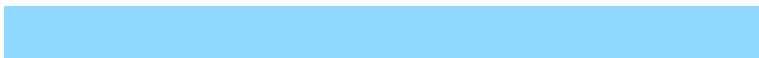
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.8255, 0.4081, 0.4850



71.8255, 0.1843, 0.3333



71.8255, 0.2079, 0.1946



71.8255, 0.4558, 0.3032

Rectangle

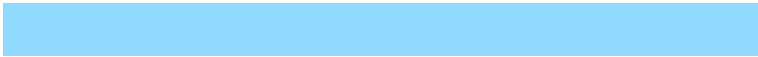
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.8255, 0.4081, 0.4850



71.8255, 0.2683, 0.4630



71.8255, 0.2079, 0.1946



71.8255, 0.3392, 0.2334

Sweetspot

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



71.8288, 0.4081, 0.4850



96.8207, 0.3446, 0.3813



20.8089, 0.5506, 0.3274



20.6485, 0.3488, 0.3882



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.



71.8288, 0.4081, 0.4850



92.1237, 0.4167, 0.4989



62.3096, 0.3478, 0.5256



16.8021, 0.3268, 0.3521



41.1533, 0.4203, 0.5045



3.0457, 0.4202, 0.5046

Inverse Universe

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



10.7637, 0.1763, 0.1040



9.1212, 0.1580, 0.0735



15.4494, 0.2333, 0.1311



13.9005, 0.2980, 0.3048



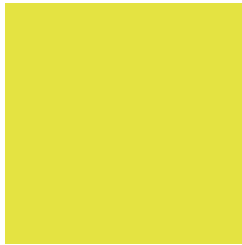
3.2569, 0.1501, 0.0604



0.2454, 0.1504, 0.0615

Previews

White Background



This preview shows how the Yxy color 71.8255, 0.4081, 0.4850 looks on a white background.

Color Contrast Check

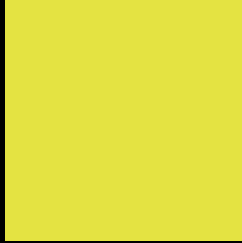
Large Text (above 18pt) WCAG AA × Fail

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 71.8255, 0.4081, 0.4850 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 71.8255, 0.4081, 0.4850

Background



This preview shows how black text looks on a background with the Yxy color 71.8255, 0.4081, 0.4850.



This preview shows how white text looks on a background with the Yxy color 71.8255, 0.4081, 0.4850.

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

71.8255, 0.4081, 0.4850

Protanopia

71.8572, 0.4278, 0.4719

Deuteranopia

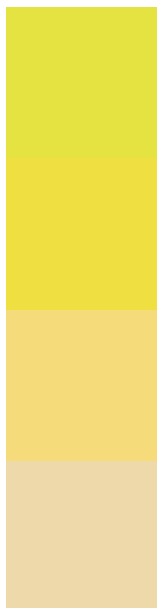
71.6862, 0.3876, 0.3907



Tritanopia

71.6214, 0.3231, 0.3114

Trichromacy



Original Color

71.8255, 0.4081, 0.4850

Protanomaly

71.6823, 0.4206, 0.4764

Deuteranomaly

71.4807, 0.3990, 0.4288

Tritanomaly

70.5325, 0.3609, 0.3799

Monochromacy



Original Color

71.8255, 0.4081, 0.4850

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

66.1450, 0.3538, 0.3969

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.8255, 0.4081, 0.4850 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(228, 227, 66)` looks like.

```
.text, #text, p{  
    color:rgb(228, 227, 66)  
}
```

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(228, 227, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 227, 66) }
```

Border

The CSS property to change the border of an element to Yxy 71.8255, 0.4081, 0.4850 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(228, 227, 66) }
```

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

```
.border{ border-color:rgb(228, 227, 66) }
```

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

Here you see how a box with a 4 pixel rgb(228, 227, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 227, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 227, 66);  
box-shadow:4px 4px 4px 4px rgb(228, 227,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 71.8255, 0.4081, 0.4850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 227, 66) }
```

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

```
.background{ background-color: rgb(228,  
227, 66) }
```

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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