

Converting Colors

$Yxy(80.6803, 0.3828, 0.4483)$

Have a look what the booklet for
Yxy(80.6803, 0.3828, 0.4483)
contains.

Yxy(80.3871, 0.3829, 0.4482)	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(80.3871, 0.3829, 0.4482)

Conversions

Conversions Part 1

Format	Color
Hex	ECEE7A
RGB	236, 238, 122
RGB Percent	93%, 93%, 48%
CMY	0.0745, 0.0666, 0.5217
CMYK	0.01, 0.00, 0.49, 0.07
HSL	61°, 77%, 71%
HSV	61°, 49%, 93%
XYZ	68.6752, 80.3871, 30.2931
YIQ	224.1780, 36.0440, -36.5000

Conversions

Conversions Part 2

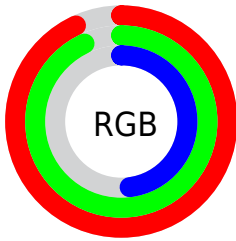
Format	Color
R _Y B	122, 238, 124
Decimal	15527546
CIE Lab	91.86, -16.24, 55.40
CIE LCh	92, 57.729, 106.338
Yxy	80.3871, 0.3829, 0.4482
Android (android.graphics.Color)	4293717626 (0xFFECE7A)
YUV	224.1780, -50.3738, 10.3679
Hunter-Lab	89.6589, -20.1789, 42.7288

Details

The Yxy color **80.3871, 0.3829, 0.4482** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **24.3646, 0.2208, 0.1752**, and the grayscale version is **75.0215, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9543, 0.3591, 0.4057**, and **43.3505, 0.3948, 0.4732** is the 20% darker color. If you saturate the color by 10%, you get **79.8007, 0.3944, 0.4681**, and if you desaturate by 10%, it is **81.1254, 0.3697, 0.4255**.

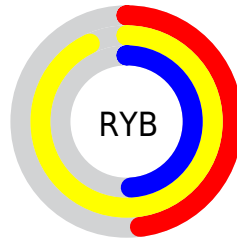
Distribution



Red (93%)

Green (93%)

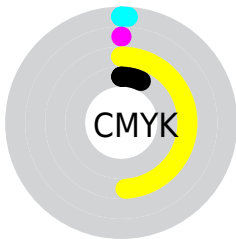
Blue (48%)



Red (48%)

Yellow (93%)

Blue (49%)

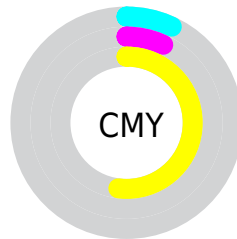


Cyan (1%)

Magenta (0%)

Yellow (49%)

Black (7%)



Cyan (7%)


Magenta (7%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.3871, 0.3829, 0.4482 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 80.3871, 0.3829, 0.4482 by changing the saturation by 10% instead.

 80.3871, 0.3829,
0.4482


 80.3871, 0.3829,
0.4482


496.2364, 0.3536,
0.3942


 60.0369, 0.3885,
0.4598


 133.9098, 0.3736,
0.4299

 43.4484, 0.3947,
0.4737


 167.8512, 0.3697,
0.4227

 30.2371, 0.4016,
0.4903


 207.0918, 0.3663,
0.4164

 20.0186, 0.4086,
0.5103

252.0160, 0.3632,
0.4108

 12.4086, 0.4148,
0.5341

303.0081, 0.3604,
0.4059

 7.0226, 0.4263,
0.5737

360.4526, 0.3579,

 3.4762, 0.4097,

0.4016

0.5903

424.7339, 0.3557,
0.3977

■ 1.3851, 0.3807,
0.6193

■ 0.2057, 0.0000,
1.0000

■ 80.3871, 0.3829,
0.4482

■ 80.3871, 0.3829,
0.4482

■ 79.8007, 0.3944,
0.4681

■ 81.1254, 0.3697,
0.4255

■ 79.3446, 0.4037,
0.4842


■ 82.0143, 0.3553,
0.4011


■ 79.0100, 0.4103,
0.4962


■ 83.0663, 0.3404,
0.3758


■ 78.7827, 0.4144,
0.5037

■ 84.2895, 0.3255,
0.3505


 78.6410, 0.4161,
0.5073


 85.6916, 0.3109,
0.3260

 78.6259, 0.4163,
0.5077

 86.6349, 0.3028,
0.3121

 86.7068, 0.3030,
0.3121

 86.7789, 0.3033,
0.3121

 86.8511, 0.3036,
0.3121

Harmonies

Analogous

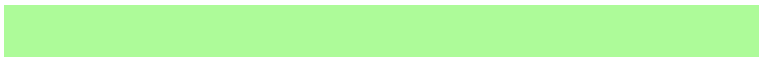
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.3871, 0.4306, 0.4154



80.3871, 0.3829, 0.4482



80.3871, 0.3193, 0.4455

Triad

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



80.3871, 0.3829, 0.4482



80.3871, 0.1950, 0.2684



80.3871, 0.3631, 0.2714

Complementary

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



80.3871, 0.3829, 0.4482



24.3646, 0.2208, 0.1752

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.



80.3871, 0.2943, 0.2392



80.3871, 0.3829, 0.4482



80.3871, 0.2035, 0.2342

Square

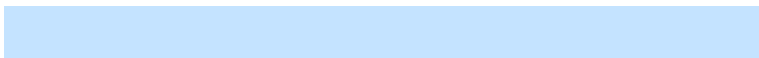
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.3871, 0.3829, 0.4482



80.3871, 0.2130, 0.3279



80.3871, 0.2376, 0.2255



80.3871, 0.4216, 0.3164

Rectangle

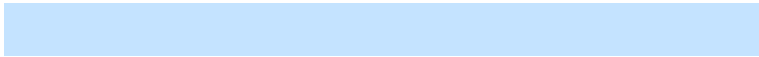
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.3871, 0.3829, 0.4482



80.3871, 0.2766, 0.4180



80.3871, 0.2376, 0.2255



80.3871, 0.3400, 0.2590

Sweetspot

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



80.3908, 0.3829, 0.4482



97.6508, 0.3349, 0.3664



33.9704, 0.4486, 0.3315



20.8387, 0.3380, 0.3718



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.



80.3908, 0.3829, 0.4482



93.2978, 0.3949, 0.4689



72.0299, 0.3406, 0.4677



18.4442, 0.3266, 0.3523



43.8672, 0.4163, 0.5076



3.6538, 0.4167, 0.5073

Inverse Universe

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



24.3646, 0.2208, 0.1752



20.3679, 0.1989, 0.1390



30.0164, 0.2668, 0.1922



15.2418, 0.2982, 0.3046



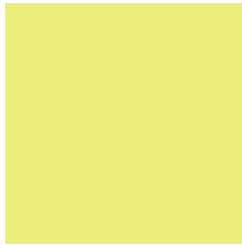
3.4645, 0.1505, 0.0603



0.2928, 0.1520, 0.0611

Previews

White Background



This preview shows how the Yxy color 80.3871, 0.3829, 0.4482 looks on a white background.

Color Contrast Check

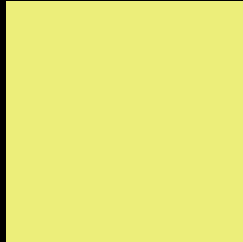
Large Text (above 18pt) WCAG AA × Fail

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 80.3871, 0.3829, 0.4482 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

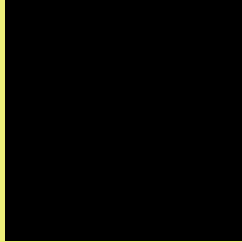
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.3871, 0.3829, 0.4482

Background



This preview shows how black text looks on a background with the Yxy color 80.3871, 0.3829, 0.4482.



This preview shows how white text looks on a background with the Yxy color 80.3871, 0.3829, 0.4482.

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

80.3871, 0.3829, 0.4482

Protanopia

80.4033, 0.3994, 0.4359

Deuteranopia

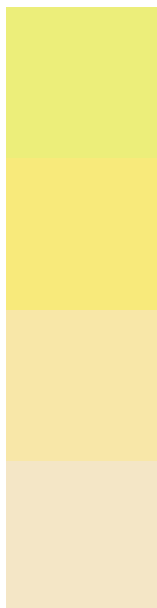
80.1383, 0.3544, 0.3615



Tritanopia

80.4010, 0.3184, 0.3121

Trichromacy



Original Color

80.3871, 0.3829, 0.4482

Protanomaly

80.2322, 0.3932, 0.4399

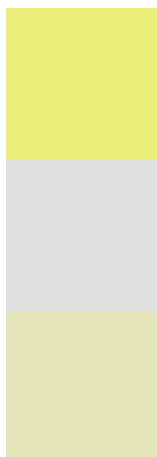
Deuteranomaly

79.9354, 0.3666, 0.3941

Tritanomaly

79.9039, 0.3437, 0.3623

Monochromacy



Original Color

80.3871, 0.3829, 0.4482

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

76.1205, 0.3395, 0.3747

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3871, 0.3829, 0.4482 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(236, 238, 122)` looks like.

```
.text, #text, p{  
    color:rgb(236, 238, 122)  
}
```

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(236, 238, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 238, 122) }
```

Border

The CSS property to change the border of an element to Yxy 80.3871, 0.3829, 0.4482 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(236, 238, 122) }
```

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

```
.border{ border-color:rgb(236, 238, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 238, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 238, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 238, 122); box-shadow:4px 4px 4px 4px rgb(236, 238, 122) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3871, 0.3829, 0.4482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 238, 122) }
```

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

```
.background{ background-color: rgb(236,  
238, 122) }
```

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