

Converting Colors

$Yxy(81.3499, 0.3895, 0.4432)$

Have a look what the booklet for
Yxy(81.3499, 0.3895, 0.4432)
contains.

Yxy(81.4109, 0.3895, 0.4434)	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(81.4109, 0.3895, 0.4434)

Conversions

Conversions Part 1

Format	Color
Hex	F5ED7B
RGB	245, 237, 123
RGB Percent	96%, 93%, 48%
CMY	0.0392, 0.0706, 0.5177
CMYK	0.00, 0.03, 0.50, 0.04
HSL	56°, 86%, 72%
HSV	56°, 50%, 96%
XYZ	71.5145, 81.4109, 30.6806
YIQ	226.3960, 41.3620, -33.7580

Conversions

Conversions Part 2

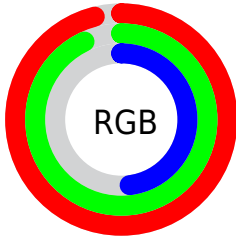
Format	Color
RYB	132, 245, 123
Decimal	16117115
CIELab	92.31, -12.10, 55.63
CIELCh	92, 56.932, 102.276
Yxy	81.4109, 0.3895, 0.4434
Android (android.graphics.Color)	4294307195 (0xFFF5ED7B)
YUV	226.3960, -50.9742, 16.3157
Hunter-Lab	90.2280, -16.4202, 42.9990

Details

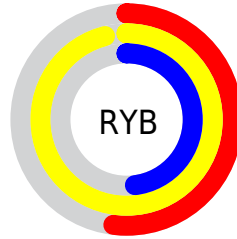
The Yxy color **81.4109, 0.3895, 0.4434** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **27.0313, 0.2189, 0.1806**, and the grayscale version is **76.7104, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9944, 0.3585, 0.4047**, and **44.0547, 0.4036, 0.4664** is the 20% darker color. If you saturate the color by 10%, you get **79.9509, 0.4027, 0.4619**, and if you desaturate by 10%, it is **83.0402, 0.3747, 0.4222**.

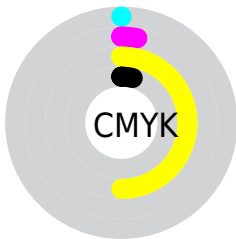
Distribution



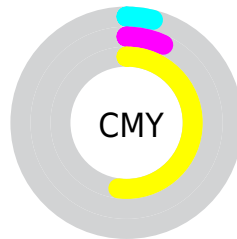
- Red (96%)
- Green (93%)
- Blue (48%)



- Red (52%)
- Yellow (96%)
- Blue (48%)



- Cyan (0%)
- Magenta (3%)
- Yellow (50%)
- Black (4%)





- Cyan (4%)
- Magenta (7%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.4109, 0.3895, 0.4434 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 81.4109, 0.3895, 0.4434 by changing the saturation by 10% instead.


 81.4109, 0.3895,
0.4434

 81.4109, 0.3895,
0.4434


499.6750, 0.3571,
0.3922


 60.8801, 0.3958,
0.4542


 135.3476, 0.3791,
0.4262

 44.1284, 0.4029,
0.4671


 169.5222, 0.3748,
0.4194

 30.7715, 0.4109,
0.4823


 209.0136, 0.3710,
0.4134

 20.4249, 0.4194,
0.5005

254.2060, 0.3676,
0.4081

 12.7043, 0.4276,
0.5217

305.4840, 0.3646,
0.4034

 7.2252, 0.4424,
0.5571

363.2319, 0.3618,

 3.6033, 0.4307,

0.3993

0.5693

427.8341, 0.3594,
0.3955

■ 1.4543, 0.4100,
0.5900

■ 0.2562, 0.0000,
1.0000

■ 81.4109, 0.3895,
0.4434

■ 81.4109, 0.3895,
0.4434

■ 79.9509, 0.4027,
0.4619

■ 83.0402, 0.3747,
0.4222

■ 78.6373, 0.4138,
0.4767

■ 84.8381, 0.3591,
0.3992

■ 77.4605, 0.4223,
0.4873


■ 86.8178, 0.3432,
0.3754

■ 76.4045, 0.4281,
0.4933


■ 88.9883, 0.3275,
0.3516


 75.4434, 0.4314,
0.4956

 91.3578, 0.3124,
0.3285

 75.4244, 0.4315,
0.4956

 92.9303, 0.3068,
0.3208

 93.9140, 0.3067,
0.3224

 94.9061, 0.3067,
0.3240

 95.9067, 0.3067,
0.3255

Harmonies

Analogous

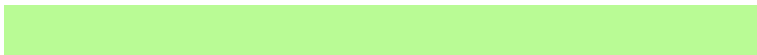
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.4109, 0.4329, 0.4083



81.4109, 0.3895, 0.4434



81.4109, 0.3281, 0.4462

Triad

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



81.4109, 0.3895, 0.4434



81.4109, 0.1976, 0.2762



81.4109, 0.3531, 0.2672

Complementary

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



81.4109, 0.3895, 0.4434



27.0313, 0.2189, 0.1806

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.



81.4109, 0.2861, 0.2376



81.4109, 0.3895, 0.4434



81.4109, 0.2026, 0.2388

Square

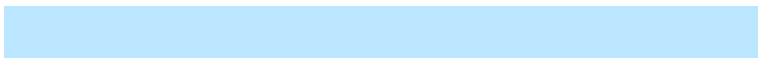
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.4109, 0.3895, 0.4434



81.4109, 0.2191, 0.3374



81.4109, 0.2329, 0.2269



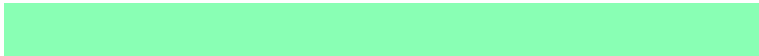
81.4109, 0.4134, 0.3103

Rectangle

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



81.4109, 0.3895, 0.4434



81.4109, 0.2855, 0.4232



81.4109, 0.2329, 0.2269



81.4109, 0.3303, 0.2555

Sweetspot

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



81.4147, 0.3895, 0.4434



96.1889, 0.3357, 0.3640



35.2187, 0.4448, 0.3207



20.4821, 0.3390, 0.3690



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

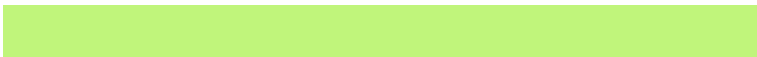
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.4147, 0.3895, 0.4434



87.5119, 0.4031, 0.4624



77.9567, 0.3480, 0.4677



19.1168, 0.3270, 0.3509



40.7141, 0.4312, 0.4958



3.6334, 0.4296, 0.4971

Inverse Universe

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



27.0313, 0.2189, 0.1806



21.6376, 0.1979, 0.1460



29.9709, 0.2567, 0.1857



16.1009, 0.2979, 0.3061



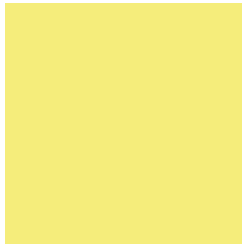
3.8192, 0.1511, 0.0640



0.3955, 0.1539, 0.0741

Previews

White Background



This preview shows how the Yxy color 81.4109, 0.3895, 0.4434 looks on a white background.

Color Contrast Check

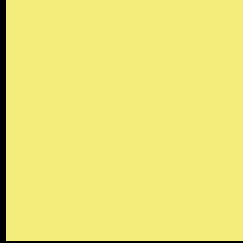
Large Text (above 18pt) WCAG AA × Fail

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 81.4109, 0.3895, 0.4434 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 81.4109, 0.3895, 0.4434

Background



This preview shows how black text looks on a background with the Yxy color 81.4109, 0.3895, 0.4434.



This preview shows how white text looks on a background with the Yxy color 81.4109, 0.3895, 0.4434.

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

81.4109, 0.3895, 0.4434

Protanopia

81.2871, 0.3920, 0.4262

Deuteranopia

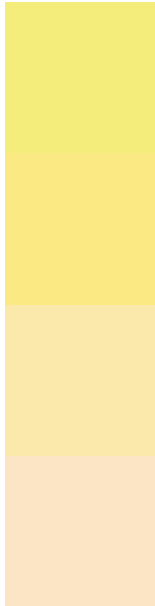
81.4221, 0.3512, 0.3594



Tritanopia

81.4017, 0.3239, 0.3143

Trichromacy



Original Color

81.4109, 0.3895, 0.4434

Protanomaly

80.9936, 0.3909, 0.4319

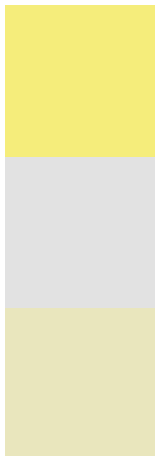
Deuteranomaly

81.1627, 0.3665, 0.3914

Tritanomaly

80.5791, 0.3497, 0.3618

Monochromacy



Original Color

81.4109, 0.3895, 0.4434

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

77.5914, 0.3417, 0.3729

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.4109, 0.3895, 0.4434 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(245, 237, 123)` looks like.

```
.text, #text, p{  
    color:rgb(245, 237, 123)  
}
```

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(245, 237, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 237, 123) }
```

Border

The CSS property to change the border of an element to Yxy 81.4109, 0.3895, 0.4434 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(245, 237, 123) }
```

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

```
.border{ border-color:rgb(245, 237, 123) }
```

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

Here you see how a box with a 4 pixel rgb(245, 237, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 237, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 237, 123);  
box-shadow:4px 4px 4px 4px rgb(245, 237,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 81.4109, 0.3895, 0.4434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 237, 123) }
```

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

```
.background{ background-color: rgb(245,  
237, 123) }
```

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