

Converting Colors

Yxy(81.8732, 0.3998, 0.4408)

Have a look what the booklet for
Yxy(81.8732, 0.3998, 0.4408)
contains.

Yxy(82.0327, 0.3995, 0.4409)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(82.0327, 0.3995, 0.4409)

Conversions

Conversions Part 1

Format	Color
Hex	FFEB78
RGB	255, 235, 120
RGB Percent	100%, 92%, 47%
CMY	0.0001, 0.0784, 0.5293
CMYK	0.00, 0.08, 0.53, 0.00
HSL	51°, 100%, 74%
HSV	51°, 53%, 100%
XYZ	74.3299, 82.0327, 29.6948
YIQ	227.8700, 48.8350, -31.5250

Conversions

Conversions Part 2

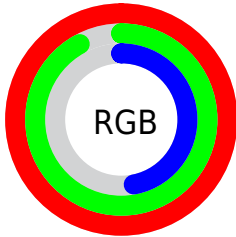
Format	Color
RYB	143, 255, 120
Decimal	16771960
CIELab	92.59, -7.40, 57.52
CIELCh	93, 57.998, 97.330
Yxy	82.0327, 0.3995, 0.4409
Android (android.graphics.Color)	4294962040 (0xFFFFE78)
YUV	227.8700, -53.1799, 23.7930
Hunter-Lab	90.5719, -12.0107, 43.9616

Details

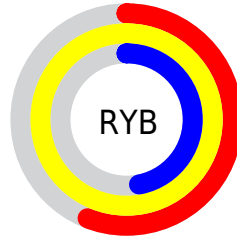
The Yxy color **82.0327, 0.3995, 0.4409** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **29.9626, 0.2149, 0.1831**, and the grayscale version is **77.8539, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8751, 0.3603, 0.4076**, and **44.3812, 0.4154, 0.4620** is the 20% darker color. If you saturate the color by 10%, you get **79.3619, 0.4145, 0.4574**, and if you desaturate by 10%, it is **84.9217, 0.3832, 0.4216**.

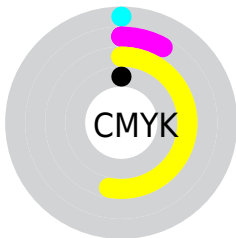
Distribution



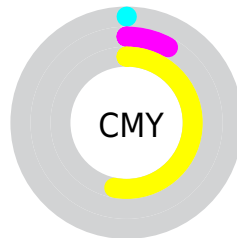
- Red (100%)
- Green (92%)
- Blue (47%)



- Red (56%)
- Yellow (100%)
- Blue (47%)



- Cyan (0%)
- Magenta (8%)
- Yellow (53%)
- Black (0%)




- Cyan (0%)
- Magenta (8%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.0327, 0.3995, 0.4409 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 82.0327, 0.3995, 0.4409 by changing the saturation by 10% instead.


 82.0327, 0.3995,
0.4409


 82.0327, 0.3995,
0.4409

501.7571, 0.3627,
0.3917


 61.3925, 0.4067,
0.4511


 136.2199, 0.3876,
0.4246

 44.5420, 0.4149,
0.4630


 170.5356, 0.3827,
0.4180

 31.0968, 0.4242,
0.4769


 210.1786, 0.3784,
0.4123

 20.6726, 0.4343,
0.4930

255.5334, 0.3746,
0.4072

 12.8849, 0.4444,
0.5112

306.9842, 0.3711,
0.4026

 7.3493, 0.4604,
0.5396

364.9155, 0.3680,

 3.6815, 0.4533,

0.3986

0.5467

429.7116, 0.3652,
0.3950

■ 1.4970, 0.4411,
0.5589

■ 0.2867, 0.2426,
0.7574

■ 82.0327, 0.3995,
0.4409

■ 82.0327, 0.3995,
0.4409

■ 79.3619, 0.4145,
0.4574

■ 84.9217, 0.3832,
0.4216

■ 76.8841, 0.4273,
0.4700


■ 88.0295, 0.3662,
0.4005

■ 74.5875, 0.4376,
0.4782

■ 91.3712, 0.3492,
0.3785

■ 72.4528, 0.4449,
0.4817

■ 94.9569, 0.3327,
0.3565

 71.0202, 0.4486,
0.4820

 98.7962, 0.3171,
0.3351

99.9930, 0.3127,
0.3290

Harmonies

Analogous

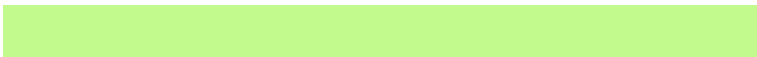
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.0327, 0.4391, 0.4016



82.0327, 0.3995, 0.4409



82.0327, 0.3390, 0.4508

Triad

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



82.0327, 0.3995, 0.4409



82.0327, 0.1977, 0.2840



82.0327, 0.3423, 0.2603

Complementary

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



82.0327, 0.3995, 0.4409



29.9626, 0.2149, 0.1831

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.



82.0327, 0.2754, 0.2331



82.0327, 0.3995, 0.4409



82.0327, 0.1984, 0.2418

Square

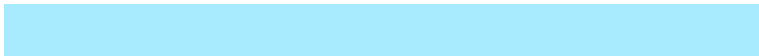
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.0327, 0.3995, 0.4409



82.0327, 0.2239, 0.3491



82.0327, 0.2250, 0.2258



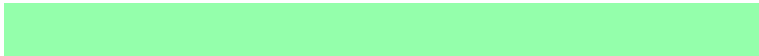
82.0327, 0.4065, 0.3021

Rectangle

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



82.0327, 0.3995, 0.4409



82.0327, 0.2954, 0.4326



82.0327, 0.2250, 0.2258



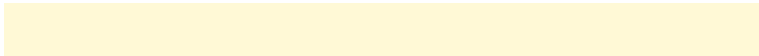
82.0327, 0.3191, 0.2493

Sweetspot

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



82.0365, 0.3995, 0.4409



93.8574, 0.3377, 0.3632



36.5951, 0.4447, 0.3088



19.9303, 0.3411, 0.3678



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

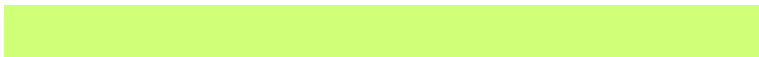
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.0365, 0.3995, 0.4409



79.1115, 0.4160, 0.4589



86.2251, 0.3570, 0.4730



20.6061, 0.3273, 0.3491



37.2958, 0.4481, 0.4824



3.7504, 0.4443, 0.4854

Inverse Universe

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



29.9626, 0.2149, 0.1831



21.9584, 0.1938, 0.1484



28.9019, 0.2431, 0.1724



17.8109, 0.2979, 0.3081



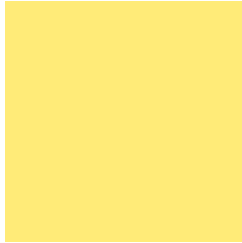
4.6160, 0.1533, 0.0718



0.5719, 0.1579, 0.0885

Previews

White Background



This preview shows how the Yxy color 82.0327, 0.3995, 0.4409 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 82.0327, 0.3995, 0.4409 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

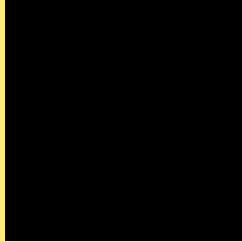
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.0327, 0.3995, 0.4409

Background



This preview shows how black text looks on a background with the Yxy color 82.0327, 0.3995, 0.4409.



This preview shows how white text looks on a background with the Yxy color 82.0327, 0.3995, 0.4409.

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

82.0327, 0.3995, 0.4409

Protanopia

82.0287, 0.3879, 0.4216

Deuteranopia

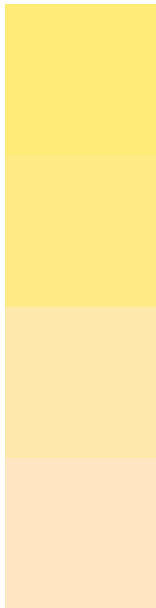
82.0707, 0.3496, 0.3583



Tritanopia

81.7671, 0.3258, 0.3182

Trichromacy



Original Color

82.0327, 0.3995, 0.4409

Protanomaly

81.7991, 0.3927, 0.4289

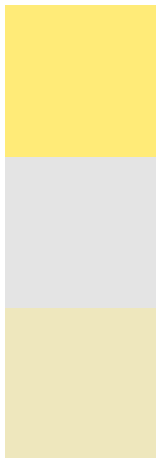
Deuteranomaly

81.9518, 0.3688, 0.3898

Tritanomaly

81.1937, 0.3547, 0.3645

Monochromacy



Original Color

82.0327, 0.3995, 0.4409

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

79.0031, 0.3451, 0.3734

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.0327, 0.3995, 0.4409 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(255, 235, 120)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 120)  
}
```

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(255, 235, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 120) }
```

Border

The CSS property to change the border of an element to Yxy 82.0327, 0.3995, 0.4409 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(255, 235, 120) }
```

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

```
.border{ border-color:rgb(255, 235, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 235, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 120);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 82.0327, 0.3995, 0.4409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 120) }
```

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

```
.background{ background-color: rgb(255,  
235, 120) }
```

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