

Converting Colors

$Y_{xy}(100.0000, 0.4405, 0.3981)$

Have a look what the booklet for
Yxy(100.0000, 0.4405, 0.3981)
contains.

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Color

Yxy(82.1810, 0.3849, 0.4170)

Conversions

Conversions Part 1

Format	Color
Hex	FFEA92
RGB	255, 234, 146
RGB Percent	100%, 92%, 57%
CMY	0.0000, 0.0823, 0.4276
CMYK	0.00, 0.08, 0.43, 0.00
HSL	48°, 100%, 79%
HSV	48°, 43%, 100%
XYZ	75.8548, 82.1810, 39.0409
YIQ	230.2470, 40.7640, -22.9160

Conversions

Conversions Part 2

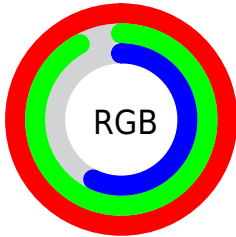
Format	Color
RYB	172, 255, 146
Decimal	16771730
CIELab	92.65, -4.55, 45.25
CIELCh	93, 45.479, 95.745
Yxy	82.1810, 0.3849, 0.4170
Android (android.graphics.Color)	4294961810 (0xFFFFEA92)
YUV	230.2470, -41.5338, 21.7084
Hunter-Lab	90.6537, -9.2835, 37.9238

Details

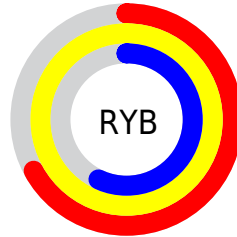
The Yxy color **82.1810, 0.3849, 0.4170** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.9492, 0.2364, 0.2215**, and the grayscale version is **79.6102, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9970, 0.3448, 0.3820**, and **44.5193, 0.3996, 0.4343** is the 20% darker color. If you saturate the color by 10%, you get **78.7160, 0.4023, 0.4356**, and if you desaturate by 10%, it is **85.8993, 0.3671, 0.3967**.

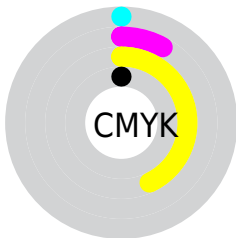
Distribution



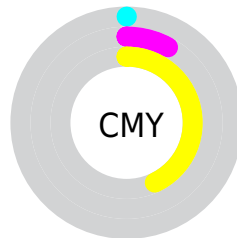
- Red (100%)
- Green (92%)
- Blue (57%)



- Red (67%)
- Yellow (100%)
- Blue (57%)



- Cyan (0%)
- Magenta (8%)
- Yellow (43%)
- Black (0%)





- Cyan (0%)
- Magenta (8%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.1810, 0.3849, 0.4170 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 82.1810, 0.3849, 0.4170 by changing the saturation by 10% instead.

 82.1810, 0.3849,
0.4170

 82.1810, 0.3849,
0.4170


502.2529, 0.3534,
0.3778

 61.5147, 0.3915,
0.4254


 136.4278, 0.3744,
0.4038

 44.6407, 0.3992,
0.4354


 170.7771, 0.3702,
0.3985

 31.1745, 0.4084,
0.4475


210.4563, 0.3665,
0.3940

 20.7318, 0.4193,
0.4621

255.8496, 0.3633,
0.3899

 12.9281, 0.4319,
0.4799

307.3415, 0.3604,
0.3864

 7.3790, 0.4462,
0.5014

365.3165, 0.3578,

 3.7003, 0.4666,

0.3832

0.5334

430.1588, 0.3555,
0.3803

■ 1.5073, 0.4592,
0.5408

■ 0.2939, 0.3640,
0.6360

■ 82.1810, 0.3849,
0.4170

■ 82.1810, 0.3849,
0.4170

■ 78.7160, 0.4023,
0.4356

■ 85.8993, 0.3671,
0.3967

■ 75.4935, 0.4187,
0.4515

■ 89.8840, 0.3495,
0.3757

■ 72.4990, 0.4332,
0.4637

■ 94.1452, 0.3327,
0.3548

■ 69.7163, 0.4451,
0.4713

■ 98.6927, 0.3169,
0.3344

■ 67.1261, 0.4540,
0.4742

100.0000, 0.3127,
0.3290

■ 65.3511, 0.4589,
0.4738

Harmonies

Analogous

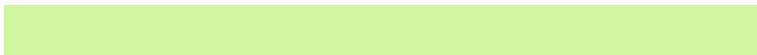
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.1810, 0.4138, 0.3872



82.1810, 0.3849, 0.4170



82.1810, 0.3378, 0.4235

Triad

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



82.1810, 0.3849, 0.4170



82.1810, 0.2209, 0.2973



82.1810, 0.3337, 0.2722

Complementary

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



82.1810, 0.3849, 0.4170



40.9492, 0.2364, 0.2215

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.



82.1810, 0.2812, 0.2507



82.1810, 0.3849, 0.4170



82.1810, 0.2199, 0.2614

Square

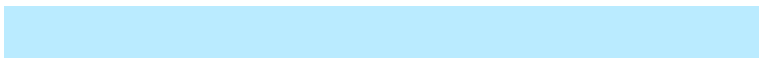
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.1810, 0.3849, 0.4170



82.1810, 0.2441, 0.3483



82.1810, 0.2409, 0.2462



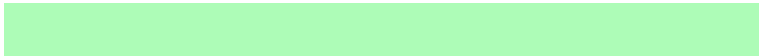
82.1810, 0.3839, 0.3063

Rectangle

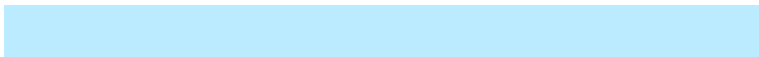
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.1810, 0.3849, 0.4170



82.1810, 0.3030, 0.4098



82.1810, 0.2409, 0.2462



82.1810, 0.3156, 0.2634

Sweetspot

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



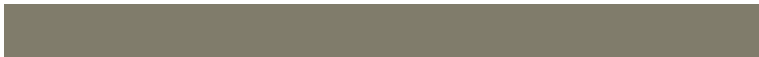
82.1804, 0.3849, 0.4170



94.0402, 0.3331, 0.3553



44.6236, 0.4021, 0.3064



19.9223, 0.3367, 0.3598



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.



82.1804, 0.3849, 0.4170



79.3082, 0.3993, 0.4325



89.1691, 0.3541, 0.4437



20.4611, 0.3274, 0.3481



34.3588, 0.4581, 0.4745



3.4908, 0.4528, 0.4786

Inverse Universe

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



40.9492, 0.2364, 0.2215



33.3872, 0.2202, 0.1965



37.3097, 0.2553, 0.2033



17.9438, 0.2979, 0.3092



5.0852, 0.1551, 0.0782



0.6370, 0.1603, 0.0969

Previews

White Background



This preview shows how the Yxy color 82.1810, 0.3849, 0.4170 looks on a white background.

Color Contrast Check

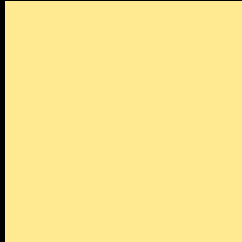
Large Text (above 18pt) WCAG AA × Fail

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 82.1810, 0.3849, 0.4170 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 82.1810, 0.3849, 0.4170

Background



This preview shows how black text looks on a background with the Yxy color 82.1810, 0.3849, 0.4170.



This preview shows how white text looks on a background with the Yxy color 82.1810, 0.3849, 0.4170.

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

82.1810, 0.3849, 0.4170

Protanopia

82.2122, 0.3842, 0.4160

Deuteranopia

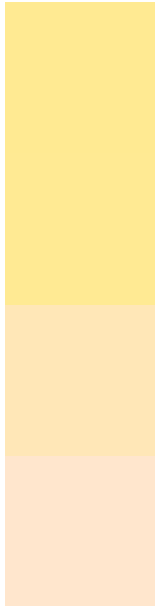
82.2133, 0.3476, 0.3553



Tritanopia

82.3712, 0.3250, 0.3182

Trichromacy



Original Color

82.1810, 0.3849, 0.4170

Protanomaly

82.2122, 0.3842, 0.4160

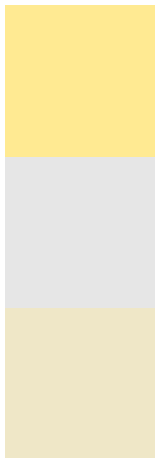
Deuteranomaly

81.8307, 0.3617, 0.3777

Tritanomaly

82.2614, 0.3469, 0.3543

Monochromacy



Original Color

82.1810, 0.3849, 0.4170

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.6261, 0.3392, 0.3626

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.1810, 0.3849, 0.4170 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, 234, 146)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 146)  
}
```

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, 234, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 146) }
```

Border

The CSS property to change the border of an element to Yxy 82.1810, 0.3849, 0.4170 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, 234, 146) }
```

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

```
.border{ border-color:rgb(255, 234, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 234, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 146);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 82.1810, 0.3849, 0.4170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 146) }
```

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

```
.background{ background-color: rgb(255,  
234, 146) }
```

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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