

Converting Colors

$Y_{xy}(82.2703, 0.3837, 0.4152)$

Have a look what the booklet for
Yxy(82.2703, 0.3837, 0.4152)
contains.

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Color

Yxy(82.2438, 0.3836, 0.4151)

Conversions

Conversions Part 1

Format	Color
Hex	FFEA94
RGB	255, 234, 148
RGB Percent	100%, 92%, 58%
CMY	0.0001, 0.0823, 0.4196
CMYK	0.00, 0.08, 0.42, 0.00
HSL	48°, 100%, 79%
HSV	48°, 42%, 100%
XYZ	76.0027, 82.2438, 39.8836
YIQ	230.4750, 40.1220, -22.2940

Conversions

Conversions Part 2

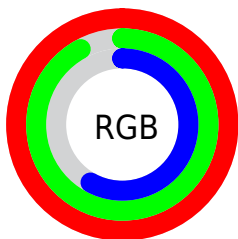
Format	Color
RYB	174, 255, 148
Decimal	16771732
CIELab	92.68, -4.37, 44.28
CIELCh	93, 44.498, 95.637
Yxy	82.2438, 0.3836, 0.4151
Android (android.graphics.Color)	4294961812 (0xFFFFEA94)
YUV	230.4750, -40.6602, 21.5084
Hunter-Lab	90.6884, -9.1101, 37.4069

Details

The Yxy color **82.2438, 0.3836, 0.4151** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **41.8774, 0.2381, 0.2244**, and the grayscale version is **79.7865, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0918, 0.3436, 0.3800**, and **44.5556, 0.3982, 0.4321** is the 20% darker color. If you saturate the color by 10%, you get **78.7213, 0.4012, 0.4338**, and if you desaturate by 10%, it is **86.0320, 0.3657, 0.3948**.

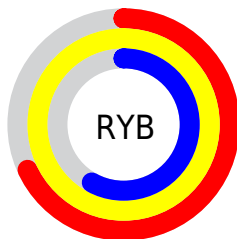
Distribution



Red (100%)

Green (92%)

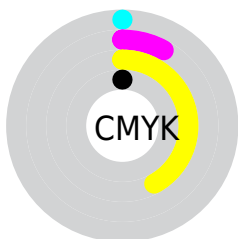
Blue (58%)



Red (68%)

Yellow (100%)

Blue (58%)

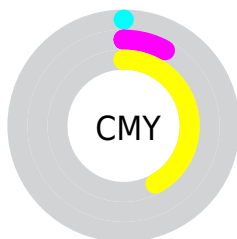


Cyan (0%)

Magenta (8%)

Yellow (42%)

Black (0%)



Cyan (0%)


Magenta (8%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.2438, 0.3836, 0.4151 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 82.2438, 0.3836, 0.4151 by changing the saturation by 10% instead.

 82.2438, 0.3836,
0.4151

 82.2438, 0.3836,
0.4151


502.4628, 0.3526,
0.3767

 61.5665, 0.3901,
0.4233


 136.5158, 0.3733,
0.4022

 44.6825, 0.3978,
0.4332


 170.8794, 0.3691,
0.3970

 31.2074, 0.4069,
0.4450


210.5738, 0.3655,
0.3925

 20.7569, 0.4177,
0.4595

255.9835, 0.3623,
0.3886

 12.9464, 0.4304,
0.4772

307.4928, 0.3595,
0.3851

 7.3916, 0.4447,
0.4984

365.4863, 0.3569,

 3.7082, 0.4674,

0.3820

0.5326

430.3481, 0.3546,
0.3792

■ 1.5117, 0.4604,
0.5396

■ 0.2970, 0.3715,
0.6285

■ 82.2438, 0.3836,
0.4151

■ 82.2438, 0.3836,
0.4151

■ 78.7213, 0.4012,
0.4338

■ 86.0320, 0.3657,
0.3948

■ 75.4407, 0.4178,
0.4499

■ 90.0859, 0.3481,
0.3738

■ 72.3918, 0.4326,
0.4624

■ 94.4197, 0.3314,
0.3530

■ 69.5587, 0.4448,
0.4704

■ 99.0434, 0.3157,
0.3328

■ 66.9225, 0.4541,
0.4736

99.9964, 0.3127,
0.3290

■ 64.9224, 0.4597,
0.4732

Harmonies

Analogous

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



82.2438, 0.4117, 0.3860



82.2438, 0.3836, 0.4151



82.2438, 0.3376, 0.4213

Triad

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



82.2438, 0.3836, 0.4151



82.2438, 0.2227, 0.2982



82.2438, 0.3331, 0.2732

Complementary

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



82.2438, 0.3836, 0.4151



41.8774, 0.2381, 0.2244

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.



82.2438, 0.2817, 0.2521



82.2438, 0.3836, 0.4151



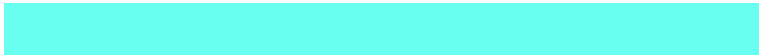
82.2438, 0.2217, 0.2630

Square

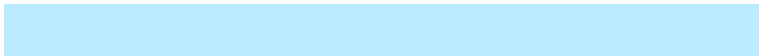
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.2438, 0.3836, 0.4151



82.2438, 0.2456, 0.3481



82.2438, 0.2422, 0.2478



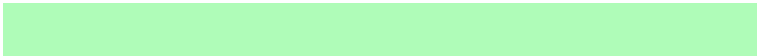
82.2438, 0.3822, 0.3067

Rectangle

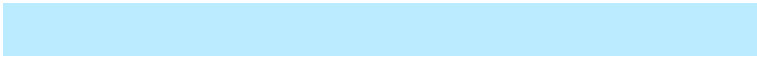
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.2438, 0.3836, 0.4151



82.2438, 0.3035, 0.4080



82.2438, 0.2422, 0.2478



82.2438, 0.3154, 0.2645

Sweetspot

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



82.2476, 0.3836, 0.4151



93.9703, 0.3331, 0.3552



45.3147, 0.3996, 0.3068



19.9049, 0.3367, 0.3597



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

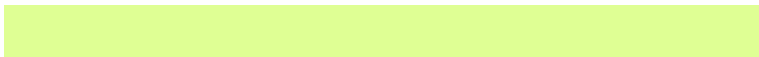
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.2476, 0.3836, 0.4151



79.4051, 0.3978, 0.4303



89.3159, 0.3534, 0.4415



20.4501, 0.3274, 0.3480



34.1430, 0.4589, 0.4738



3.4717, 0.4535, 0.4781

Inverse Universe

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



41.8774, 0.2381, 0.2244



34.3860, 0.2223, 0.2001



38.1121, 0.2566, 0.2060



17.9539, 0.2979, 0.3093



5.1260, 0.1552, 0.0787



0.6424, 0.1605, 0.0976

Previews

White Background



This preview shows how the Yxy color 82.2438, 0.3836, 0.4151 looks on a white background.

Color Contrast Check

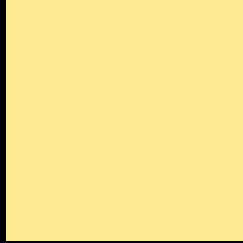
Large Text (above 18pt) WCAG AA × Fail

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 82.2438, 0.3836, 0.4151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

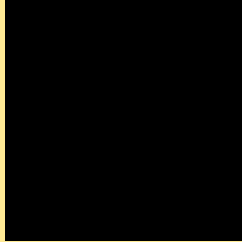
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.2438, 0.3836, 0.4151

Background



This preview shows how black text looks on a background with the Yxy color 82.2438, 0.3836, 0.4151.



This preview shows how white text looks on a background with the Yxy color 82.2438, 0.3836, 0.4151.

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

82.2438, 0.3836, 0.4151

Protanopia

82.2438, 0.3836, 0.4151

Deuteranopia

82.2614, 0.3469, 0.3543



Tritanopia

82.3712, 0.3250, 0.3182

Trichromacy

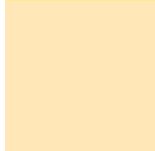


Original Color

82.2438, 0.3836, 0.4151

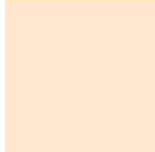
Protanomaly

82.2438, 0.3836, 0.4151



Deuteranomaly

81.8725, 0.3610, 0.3767



Tritanomaly

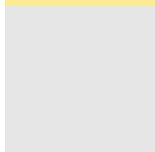
82.2614, 0.3469, 0.3543

Monochromacy



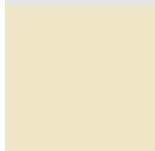
Original Color

82.2438, 0.3836, 0.4151



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

79.6727, 0.3385, 0.3616

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.2438, 0.3836, 0.4151 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, 148)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 148)  
}
```

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, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 148) }
```

Border

The CSS property to change the border of an element to Yxy 82.2438, 0.3836, 0.4151 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, 148) }
```

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

```
.border{ border-color:rgb(255, 234, 148) }
```

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, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 148);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
148) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 82.2438, 0.3836, 0.4151$ 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, 148) }
```

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

```
.background{ background-color: rgb(255,  
234, 148) }
```

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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