

Converting Colors

$Y_{xy}(117.8770, 0.4450, 0.3829)$

Have a look what the booklet for
Yxy(117.8770, 0.4450, 0.3829)
contains.

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Color

Yxy(88.8259, 0.3670, 0.4037)

Conversions

Conversions Part 1

Format	Color
Hex	FFF4A9
RGB	255, 244, 169
RGB Percent	100%, 96%, 66%
CMY	0.0001, 0.0431, 0.3370
CMYK	0.00, 0.04, 0.34, 0.00
HSL	52°, 100%, 83%
HSV	52°, 34%, 100%
XYZ	80.7508, 88.8259, 50.4528
YIQ	238.7390, 30.6310, -20.9930

Conversions

Conversions Part 2

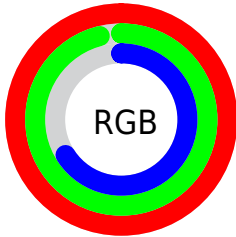
Format	Color
R_{YB}	182, 255, 169
Decimal	16774313
CIE _{Lab}	95.51, -7.08, 37.49
CIE _{LCh}	96, 38.152, 100.692
Yxy	88.8259, 0.3670, 0.4037
Android (android.graphics.Color)	4294964393 (0xFFFFF4A9)
YUV	238.7390, -34.3813, 14.2609
Hunter-Lab	94.2475, -11.9951, 34.2340

Details

The Yxy color **88.8259, 0.3670, 0.4037** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **48.3145, 0.2534, 0.2412**, and the grayscale version is **86.3615, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2162, 0.3304, 0.3582**, and **49.0977, 0.3777, 0.4199** is the 20% darker color. If you saturate the color by 10%, you get **86.0212, 0.3836, 0.4251**, and if you desaturate by 10%, it is **91.8600, 0.3503, 0.3813**.

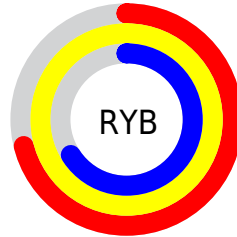
Distribution



Red (100%)

Green (96%)

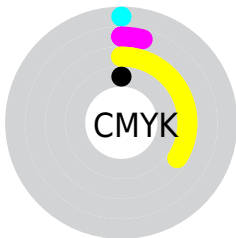
Blue (66%)



Red (71%)

Yellow (100%)

Blue (66%)

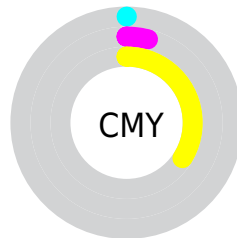


Cyan (0%)

Magenta (4%)

Yellow (34%)

Black (0%)



Cyan (0%)


Magenta (4%)


Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 88.8259, 0.3670, 0.4037 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 88.8259, 0.3670, 0.4037 by changing the saturation by 10% instead.


 88.8259, 0.3670,
0.4037

 88.8259, 0.3670,
0.4037


524.2041, 0.3434,
0.3703

 67.0073, 0.3719,
0.4110


 145.7064, 0.3592,
0.3924

 49.0905, 0.3778,
0.4197

181.5371, 0.3560,
0.3879

 34.6913, 0.3849,
0.4304


222.8073, 0.3533,
0.3840

 23.4252, 0.3934,
0.4438

269.9013, 0.3508,
0.3806

 14.9078, 0.4037,
0.4607

323.2037, 0.3487,
0.3776

 8.7547, 0.4161,
0.4825

383.0986, 0.3467,

 4.5815, 0.4338,

0.3749

0.5152

449.9706, 0.3450,
0.3725

■ 2.0039, 0.4473,
0.5527

■ 0.6097, 0.4001,
0.5999

■ 88.8259, 0.3670,
0.4037

■ 88.8259, 0.3670,
0.4037

■ 86.0212, 0.3836,
0.4251

■ 91.8600, 0.3503,
0.3813

■ 83.4228, 0.3993,
0.4445

■ 95.1216, 0.3339,
0.3589

■ 81.0225, 0.4135,
0.4610

■ 98.6243, 0.3183,
0.3369

■ 78.8066, 0.4255,
0.4735

99.9962, 0.3127,
0.3290

■ 76.7592, 0.4349,
0.4816

■ 74.8610, 0.4413,
0.4851

■ 73.7240, 0.4443,
0.4855

Harmonies

Analogous

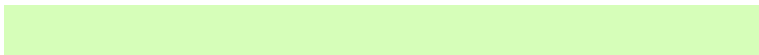
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.8259, 0.3933, 0.3829



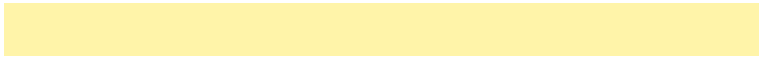
88.8259, 0.3670, 0.4037



88.8259, 0.3270, 0.4036

Triad

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



88.8259, 0.3670, 0.4037



88.8259, 0.2350, 0.2978



88.8259, 0.3375, 0.2859

Complementary

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



88.8259, 0.3670, 0.4037



48.3145, 0.2534, 0.2412

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.



88.8259, 0.2938, 0.2657



88.8259, 0.3670, 0.4037



88.8259, 0.2372, 0.2703

Square

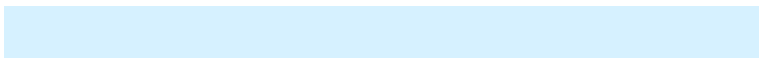
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.8259, 0.3670, 0.4037



88.8259, 0.2518, 0.3380



88.8259, 0.2579, 0.2597



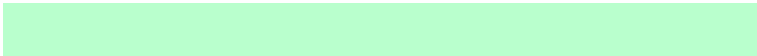
88.8259, 0.3764, 0.3161

Rectangle

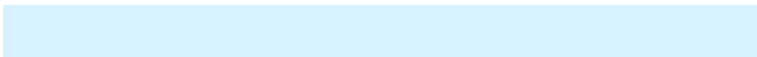
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.8259, 0.3670, 0.4037



88.8259, 0.2985, 0.3894



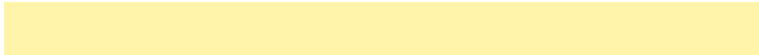
88.8259, 0.2579, 0.2597



88.8259, 0.3227, 0.2778

Sweetspot

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



88.8299, 0.3670, 0.4037



96.4053, 0.3280, 0.3506



52.9702, 0.3815, 0.3172



20.5308, 0.3302, 0.3538



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

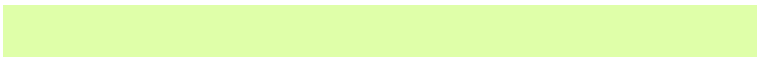
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.8299, 0.3670, 0.4037



87.0501, 0.3775, 0.4174



90.1376, 0.3423, 0.4198



20.6716, 0.3272, 0.3496



38.6842, 0.4438, 0.4858



3.8723, 0.4406, 0.4884

Inverse Universe

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



48.3145, 0.2534, 0.2412



41.2733, 0.2406, 0.2215



47.9734, 0.2741, 0.2339



17.7514, 0.2979, 0.3076



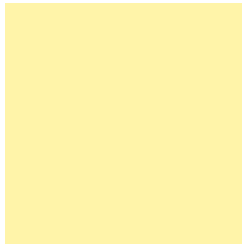
4.4433, 0.1526, 0.0694



0.5440, 0.1569, 0.0848

Previews

White Background



This preview shows how the Yxy color 88.8259, 0.3670, 0.4037 looks on a white background.

Color Contrast Check

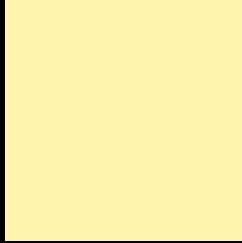
Large Text (above 18pt) WCAG AA × Fail

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 88.8259, 0.3670, 0.4037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

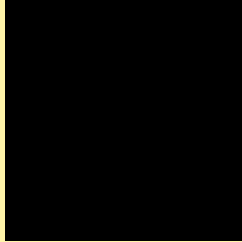
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 88.8259, 0.3670, 0.4037

Background



This preview shows how black text looks on a background with the Yxy color 88.8259, 0.3670, 0.4037.



This preview shows how white text looks on a background with the Yxy color 88.8259, 0.3670, 0.4037.

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

88.8259, 0.3670, 0.4037

Protanopia

88.7955, 0.3498, 0.3740

Deuteranopia

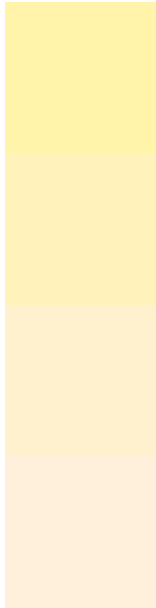
88.4840, 0.3316, 0.3419



Tritanopia

88.6057, 0.3179, 0.3184

Trichromacy



Original Color

88.8259, 0.3670, 0.4037

Protanomaly

88.9490, 0.3560, 0.3850

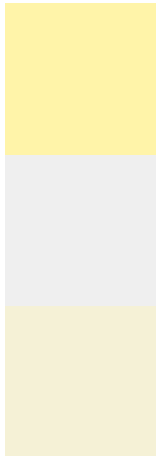
Deuteranomaly

88.5784, 0.3449, 0.3649

Tritanomaly

88.6946, 0.3360, 0.3498

Monochromacy



Original Color

88.8259, 0.3670, 0.4037

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

87.1781, 0.3322, 0.3564

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.8259, 0.3670, 0.4037 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, 244, 169)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 169)  
}
```

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, 244, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 169) }
```

Border

The CSS property to change the border of an element to Yxy 88.8259, 0.3670, 0.4037 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, 244, 169) }
```

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

```
.border{ border-color:rgb(255, 244, 169) }
```

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

Here you see how a box with a 4 pixel rgb(255, 244, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 169);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 88.8259, 0.3670, 0.4037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 244, 169) }
```

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

```
.background{ background-color: rgb(255,  
244, 169) }
```

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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