

Converting Colors

$Y_{xy}(100.0000, 0.4762, 0.3994)$

Have a look what the booklet for
Yxy(100.0000, 0.4762, 0.3994)
contains.

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Color

Yxy(74.8830, 0.4058, 0.4291)

Conversions

Conversions Part 1

Format	Color
Hex	FFDE79
RGB	255, 222, 121
RGB Percent	100%, 87%, 47%
CMY	0.0000, 0.1294, 0.5255
CMYK	0.00, 0.13, 0.53, 0.00
HSL	45°, 100%, 74%
HSV	45°, 53%, 100%
XYZ	70.8169, 74.8830, 28.8119
YIQ	220.3530, 52.0890, -24.4150

Conversions

Conversions Part 2

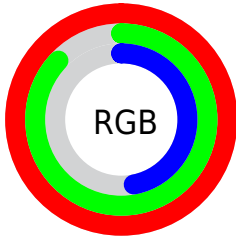
Format	Color
RYB	165, 255, 121
Decimal	16768633
CIELab	89.34, -0.76, 53.22
CIELCh	89, 53.222, 90.819
Yxy	74.8830, 0.4058, 0.4291
Android (android.graphics.Color)	4294958713 (0xFFFFDE79)
YUV	220.3530, -48.9810, 30.3854
Hunter-Lab	86.5350, -5.3587, 40.8338

Details

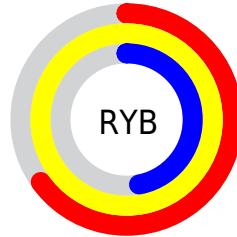
The Yxy color **74.8830, 0.4058, 0.4291** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **34.3987, 0.2190, 0.2010**, and the grayscale version is **72.1515, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8751, 0.3603, 0.4076**, and **39.8029, 0.4241, 0.4483** is the 20% darker color. If you saturate the color by 10%, you get **71.0643, 0.4239, 0.4442**, and if you desaturate by 10%, it is **78.9926, 0.3869, 0.4114**.

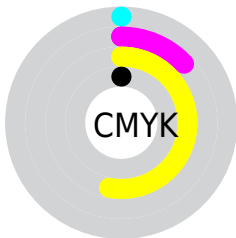
Distribution



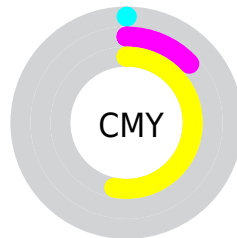
- Red (100%)
- Green (87%)
- Blue (47%)



- Red (65%)
- Yellow (100%)
- Blue (47%)



- Cyan (0%)
- Magenta (13%)
- Yellow (53%)
- Black (0%)





- Cyan (0%)
- Magenta (13%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.8830, 0.4058, 0.4291 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 74.8830, 0.4058, 0.4291 by changing the saturation by 10% instead.


 74.8830, 0.4058,
0.4291


 74.8830, 0.4058,
0.4291


477.5153, 0.3649,
0.3849

 55.5170, 0.4142,
0.4382


 126.1467, 0.3923,
0.4145

 39.8158, 0.4240,
0.4489


 158.8133, 0.3868,
0.4086

 27.3950, 0.4354,
0.4613

 196.6822, 0.3820,
0.4034

 17.8701, 0.4484,
0.4756

240.1378, 0.3778,
0.3988

 10.8568, 0.4625,
0.4913

289.5645, 0.3740,
0.3948

 5.9706, 0.4844,
0.5156

345.3468, 0.3706,

 2.8272, 0.4836,

0.3911

0.5164

407.8689, 0.3676,
0.3879

■ 1.0422, 0.4821,
0.5179

■ 0.0000, 0.0000,
0.0000

■ 74.8830, 0.4058,
0.4291

■ 74.8830, 0.4058,
0.4291

■ 71.0643, 0.4239,
0.4442

■ 78.9926, 0.3869,
0.4114

■ 67.5199, 0.4404,
0.4557

■ 83.4044, 0.3680,
0.3922

■ 64.2336, 0.4545,
0.4627

■ 88.1310, 0.3498,
0.3723

■ 61.1855, 0.4655,
0.4647

■ 93.1836, 0.3325,
0.3527

■ 59.0472, 0.4720,
0.4634

■ 98.5728, 0.3166,
0.3337

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



74.8830, 0.4367, 0.3889



74.8830, 0.4058, 0.4291



74.8830, 0.3515, 0.4453

Triad

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



74.8830, 0.4058, 0.4291



74.8830, 0.2065, 0.2987



74.8830, 0.3266, 0.2565

Complementary

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



74.8830, 0.4058, 0.4291



34.3987, 0.2190, 0.2010

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.



74.8830, 0.2653, 0.2343



74.8830, 0.4058, 0.4291



74.8830, 0.2015, 0.2530

Square

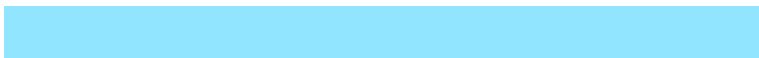
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.8830, 0.4058, 0.4291



74.8830, 0.2372, 0.3628



74.8830, 0.2217, 0.2321



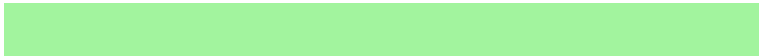
74.8830, 0.3897, 0.2941

Rectangle

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



74.8830, 0.4058, 0.4291



74.8830, 0.3101, 0.4342



74.8830, 0.2217, 0.2321



74.8830, 0.3049, 0.2471

Sweetspot

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



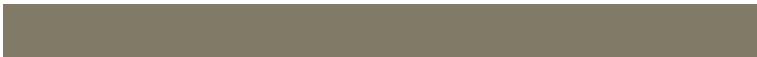
74.8837, 0.4058, 0.4291



91.4010, 0.3383, 0.3594



37.2864, 0.4269, 0.2950



19.3402, 0.3419, 0.3635



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.



74.8837, 0.4058, 0.4291



70.8977, 0.4247, 0.4448



88.3517, 0.3660, 0.4674



20.2883, 0.3275, 0.3468



31.1008, 0.4709, 0.4643



3.1996, 0.4637, 0.4700

Inverse Universe

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



34.3987, 0.2190, 0.2010



26.6447, 0.2001, 0.1708



27.8161, 0.2335, 0.1695



18.1043, 0.2979, 0.3105



5.8136, 0.1577, 0.0877



0.7291, 0.1635, 0.1084

Previews

White Background



This preview shows how the Yxy color 74.8830, 0.4058, 0.4291 looks on a white background.

Color Contrast Check

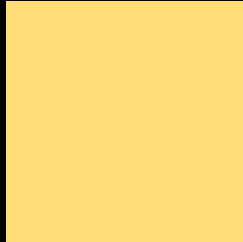
Large Text (above 18pt) WCAG AA × Fail

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 74.8830, 0.4058, 0.4291 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 74.8830, 0.4058, 0.4291

Background



This preview shows how black text looks on a background with the Yxy color 74.8830, 0.4058, 0.4291.



This preview shows how white text looks on a background with the Yxy color 74.8830, 0.4058, 0.4291.

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

74.8830, 0.4058, 0.4291

Protanopia

75.0297, 0.3974, 0.4335

Deuteranopia

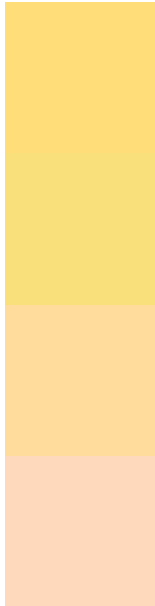
75.0182, 0.3707, 0.3743



Tritanopia

74.8441, 0.3347, 0.3170

Trichromacy



Original Color

74.8830, 0.4058, 0.4291

Protanomaly

75.0404, 0.4003, 0.4316

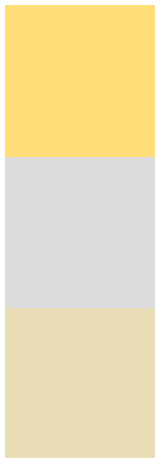
Deuteranomaly

74.8130, 0.3846, 0.3955

Tritanomaly

74.5165, 0.3618, 0.3589

Monochromacy



Original Color

74.8830, 0.4058, 0.4291

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

72.4972, 0.3469, 0.3692

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.8830, 0.4058, 0.4291 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, 222, 121)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 121)  
}
```

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, 222, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 121) }
```

Border

The CSS property to change the border of an element to Yxy 74.8830, 0.4058, 0.4291 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, 222, 121) }
```

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

```
.border{ border-color:rgb(255, 222, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 222, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 121);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 74.8830, 0.4058, 0.4291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 222, 121) }
```

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

```
.background{ background-color: rgb(255,  
222, 121) }
```

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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