

Converting Colors

$Y_{xy}(76.9411, 0.3821, 0.4176)$

Have a look what the booklet for
Yxy(76.9411, 0.3821, 0.4176)
contains.

Yxy(76.8523, 0.3823, 0.4180)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.8523, 0.3823, 0.4180)

Conversions

Conversions Part 1

Format	Color
Hex	F5E48E
RGB	245, 228, 142
RGB Percent	96%, 89%, 56%
CMY	0.0391, 0.1059, 0.4432
CMYK	0.00, 0.07, 0.42, 0.04
HSL	50°, 84%, 76%
HSV	50°, 42%, 96%
XYZ	70.2886, 76.8523, 36.7163
YIQ	223.2790, 37.7380, -23.1420

Conversions

Conversions Part 2

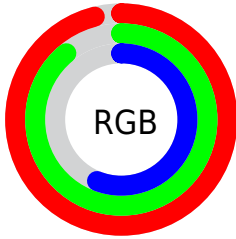
Format	Color
R _Y B	162, 245, 142
Decimal	16114830
CIE Lab	90.25, -5.84, 43.99
CIE LCh	90, 44.374, 97.558
Yxy	76.8523, 0.3823, 0.4180
Android (android.graphics.Color)	4294304910 (0xFF5E48E)
YUV	223.2790, -40.0705, 19.0493
Hunter-Lab	87.6654, -10.2964, 36.5338

Details

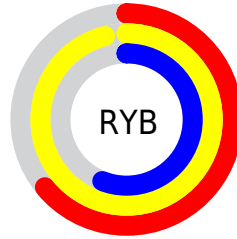
The Yxy color **76.8523, 0.3823, 0.4180** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **37.1479, 0.2374, 0.2203**, and the grayscale version is **74.2747, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.8112, 0.3472, 0.3860**, and **41.1901, 0.3961, 0.4376** is the 20% darker color. If you saturate the color by 10%, you get **73.9968, 0.3991, 0.4372**, and if you desaturate by 10%, it is **79.9289, 0.3650, 0.3971**.

Distribution



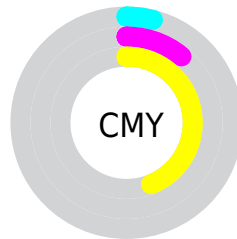
- Red (96%)
- Green (89%)
- Blue (56%)



- Red (64%)
- Yellow (96%)
- Blue (56%)



- Cyan (0%)
- Magenta (7%)
- Yellow (42%)
- Black (4%)





- Cyan (4%)
- Magenta (11%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.8523, 0.3823, 0.4180 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 76.8523, 0.3823, 0.4180 by changing the saturation by 10% instead.


 76.8523, 0.3823,
0.4180


 76.8523, 0.3823,
0.4180


484.2603, 0.3516,
0.3777

 57.1317, 0.3888,
0.4268


 128.9310, 0.3721,
0.4043

 41.1110, 0.3964,
0.4373


 162.0578, 0.3679,
0.3989

 28.4058, 0.4055,
0.4501


200.4221, 0.3643,
0.3942

 18.6318, 0.4162,
0.4659

244.4084, 0.3612,
0.3900

 11.4045, 0.4286,
0.4852

294.4009, 0.3584,
0.3864

 6.3396, 0.4437,
0.5103

350.7841, 0.3559,

 3.0527, 0.4588,

0.3832

0.5412

413.9425, 0.3536,
0.3803

■ 1.1593, 0.4478,
0.5522

■ 0.0281, 0.0000,
1.0000

■ 76.8523, 0.3823,
0.4180

■ 76.8523, 0.3823,
0.4180

■ 73.9968, 0.3991,
0.4372

■ 79.9289, 0.3650,
0.3971

■ 71.3406, 0.4147,
0.4537


■ 83.2259, 0.3479,
0.3756


■ 68.8749, 0.4284,
0.4666


■ 86.7564, 0.3314,
0.3540


■ 66.5856, 0.4395,
0.4750


■ 90.5289, 0.3158,
0.3332

 64.4556, 0.4477,
0.4787

 93.9241, 0.3067,
0.3224

 62.8555, 0.4525,
0.4789

 96.4446, 0.3067,
0.3264

 98.1574, 0.3066,
0.3290

Harmonies

Analogous

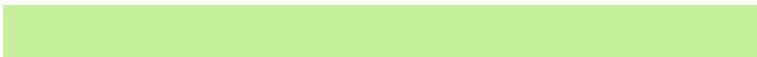
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.8523, 0.4126, 0.3893



76.8523, 0.3823, 0.4180



76.8523, 0.3346, 0.4226

Triad

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



76.8523, 0.3823, 0.4180



76.8523, 0.2204, 0.2947



76.8523, 0.3369, 0.2740

Complementary

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



76.8523, 0.3823, 0.4180



37.1479, 0.2374, 0.2203

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.



76.8523, 0.2842, 0.2517



76.8523, 0.3823, 0.4180



76.8523, 0.2208, 0.2601

Square

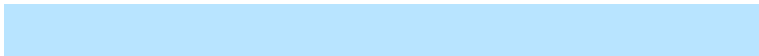
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.8523, 0.3823, 0.4180



76.8523, 0.2422, 0.3450



76.8523, 0.2429, 0.2461



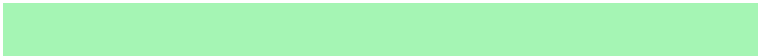
76.8523, 0.3863, 0.3087

Rectangle

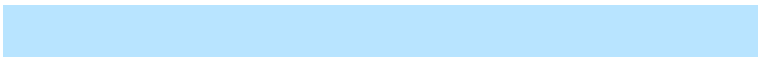
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.8523, 0.3823, 0.4180



76.8523, 0.3000, 0.4077



76.8523, 0.2429, 0.2461



76.8523, 0.3188, 0.2650

Sweetspot

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



76.8558, 0.3823, 0.4180



94.5998, 0.3329, 0.3561



41.2699, 0.4034, 0.3105



20.0616, 0.3365, 0.3609



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.



76.8558, 0.3823, 0.4180



81.6095, 0.3959, 0.4337



81.0762, 0.3510, 0.4425



18.8199, 0.3273, 0.3486



34.0284, 0.4519, 0.4794



3.1121, 0.4471, 0.4832

Inverse Universe

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



37.1479, 0.2374, 0.2203



33.1305, 0.2213, 0.1952



35.2072, 0.2593, 0.2068



16.3691, 0.2979, 0.3086



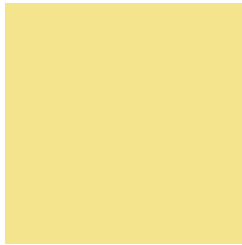
4.5194, 0.1540, 0.0743



0.5226, 0.1595, 0.0941

Previews

White Background



This preview shows how the Yxy color 76.8523, 0.3823, 0.4180 looks on a white background.

Color Contrast Check

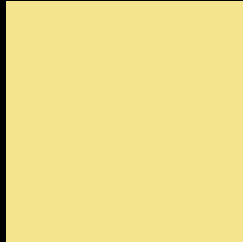
Large Text (above 18pt) WCAG AA × Fail

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 76.8523, 0.3823, 0.4180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

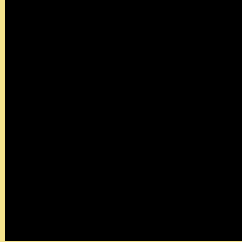
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.8523, 0.3823, 0.4180

Background



This preview shows how black text looks on a background with the Yxy color 76.8523, 0.3823, 0.4180.



This preview shows how white text looks on a background with the Yxy color 76.8523, 0.3823, 0.4180.

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

76.8523, 0.3823, 0.4180

Protanopia

76.8476, 0.3850, 0.4163

Deuteranopia

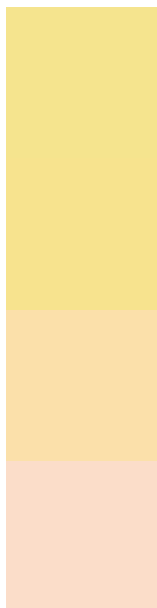
76.5181, 0.3622, 0.3649



Tritanopia

76.8262, 0.3287, 0.3121

Trichromacy



Original Color

76.8523, 0.3823, 0.4180

Protanomaly

76.6653, 0.3842, 0.4166

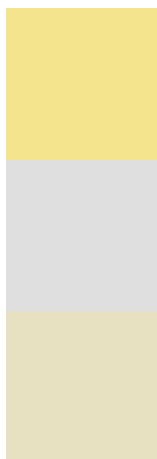
Deuteranomaly

76.7228, 0.3696, 0.3848

Tritanomaly

76.4392, 0.3485, 0.3496

Monochromacy



Original Color

76.8523, 0.3823, 0.4180

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

74.7344, 0.3377, 0.3625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.8523, 0.3823, 0.4180 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(245, 228, 142)` looks like.

```
.text, #text, p{  
    color:rgb(245, 228, 142)  
}
```

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(245, 228, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 228, 142) }
```

Border

The CSS property to change the border of an element to Yxy 76.8523, 0.3823, 0.4180 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(245, 228, 142) }
```

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

```
.border{ border-color:rgb(245, 228, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 228, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 228, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 228, 142);  
box-shadow:4px 4px 4px 4px rgb(245, 228,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 76.8523, 0.3823, 0.4180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 228, 142) }
```

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

```
.background{ background-color: rgb(245,  
228, 142) }
```

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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