

Converting Colors

$Y_{xy}(79.5669, 0.3856, 0.3994)$

Have a look what the booklet for
Yxy(79.5669, 0.3856, 0.3994)
contains.

Yxy(78.5985, 0.3812, 0.4010)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.5985, 0.3812, 0.4010)

Conversions

Conversions Part 1

Format	Color
Hex	FFE39C
RGB	255, 227, 156
RGB Percent	100%, 89%, 61%
CMY	0.0000, 0.1098, 0.3882
CMYK	0.00, 0.11, 0.39, 0.00
HSL	43°, 100%, 81%
HSV	43°, 39%, 100%
XYZ	74.7176, 78.5985, 42.6902
YIQ	227.2780, 39.4790, -16.1450

Conversions

Conversions Part 2

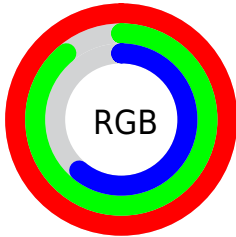
Format	Color
R _Y B	195, 255, 156
Decimal	16769948
CIE Lab	91.05, 0.02, 38.19
CIE LCh	91, 38.192, 89.963
Yxy	78.5985, 0.3812, 0.4010
Android (android.graphics.Color)	4294960028 (0xFFFFE39C)
YUV	227.2780, -35.1401, 24.3122
Hunter-Lab	88.6558, -4.7109, 33.5093

Details

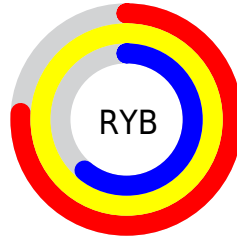
The Yxy color **78.5985, 0.3812, 0.4010** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **48.5767, 0.2459, 0.2442**, and the grayscale version is **77.2669, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4831, 0.3388, 0.3721**, and **42.3748, 0.3956, 0.4162** is the 20% darker color. If you saturate the color by 10%, you get **73.9582, 0.4010, 0.4187**, and if you desaturate by 10%, it is **83.5831, 0.3618, 0.3823**.

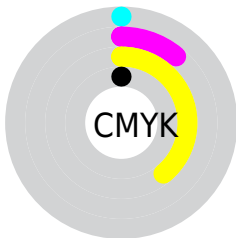
Distribution



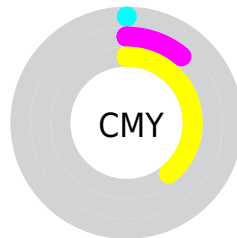
- Red (100%)
- Green (89%)
- Blue (61%)



- Red (76%)
- Yellow (100%)
- Blue (61%)



- Cyan (0%)
- Magenta (11%)
- Yellow (39%)
- Black (0%)





- Cyan (0%)
- Magenta (11%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.5985, 0.3812, 0.4010 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 78.5985, 0.3812, 0.4010 by changing the saturation by 10% instead.


 78.5985, 0.3812,
0.4010

 78.5985, 0.3812,
0.4010


490.1970, 0.3505,
0.3687

 58.5658, 0.3878,
0.4080


 131.3935, 0.3708,
0.3901

 42.2637, 0.3958,
0.4163

 164.9245, 0.3667,
0.3858

 29.3078, 0.4055,
0.4265


203.7237, 0.3631,
0.3820

 19.3138, 0.4174,
0.4390

248.1756, 0.3600,
0.3787

 11.8972, 0.4322,
0.4545

298.6645, 0.3572,
0.3758

 6.6737, 0.4502,
0.4734

355.5747, 0.3547,

 3.2589, 0.4874,

0.3732

0.5126

419.2908, 0.3525,
0.3708

■ 1.2684, 0.4875,
0.5125

■ 0.1165, 0.4887,
0.5113

■ 78.5985, 0.3812,
0.4010

■ 78.5985, 0.3812,
0.4010

■ 73.9582, 0.4010,
0.4187

■ 83.5831, 0.3618,
0.3823

■ 69.6523, 0.4207,
0.4343

■ 88.9279, 0.3435,
0.3633

■ 65.6650, 0.4393,
0.4466

■ 94.6435, 0.3265,
0.3447

■ 61.9795, 0.4559,
0.4548

100.0000, 0.3127,
0.3290

■ 58.5765, 0.4696,
0.4579

■ 55.4289, 0.4802,
0.4563

■ 55.0700, 0.4814,
0.4560

Harmonies

Analogous

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



78.5985, 0.4012, 0.3737



78.5985, 0.3812, 0.4010



78.5985, 0.3433, 0.4099

Triad

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



78.5985, 0.3812, 0.4010



78.5985, 0.2359, 0.3103



78.5985, 0.3220, 0.2752

Complementary

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



78.5985, 0.3812, 0.4010



48.5767, 0.2459, 0.2442

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.



78.5985, 0.2781, 0.2591



78.5985, 0.3812, 0.4010



78.5985, 0.2311, 0.2761

Square

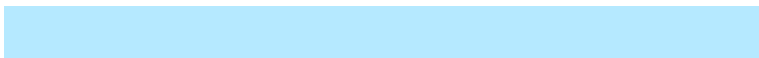
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.5985, 0.3812, 0.4010



78.5985, 0.2599, 0.3544



78.5985, 0.2459, 0.2588



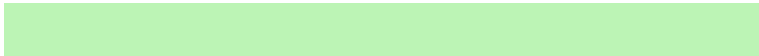
78.5985, 0.3661, 0.3034

Rectangle

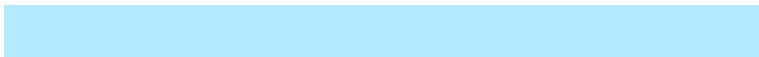
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.5985, 0.3812, 0.4010



78.5985, 0.3136, 0.4016



78.5985, 0.2459, 0.2588



78.5985, 0.3066, 0.2683

Sweetspot

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



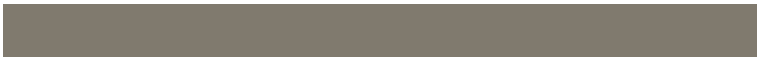
78.5973, 0.3812, 0.4010



92.7842, 0.3318, 0.3506



48.5044, 0.3819, 0.2998



19.6986, 0.3340, 0.3530



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.



78.5973, 0.3812, 0.4010



74.7766, 0.3974, 0.4156



91.3376, 0.3564, 0.4309



20.1711, 0.3276, 0.3460



29.0418, 0.4801, 0.4570



3.0135, 0.4716, 0.4638

Inverse Universe

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



48.5767, 0.2459, 0.2442



40.7797, 0.2306, 0.2225



40.4025, 0.2557, 0.2144



18.2144, 0.2979, 0.3114



6.4206, 0.1599, 0.0954



0.8011, 0.1659, 0.1170

Previews

White Background



This preview shows how the Yxy color 78.5985, 0.3812, 0.4010 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 78.5985, 0.3812, 0.4010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

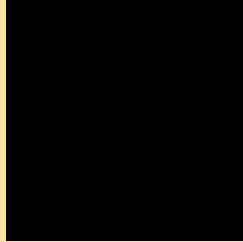
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.5985, 0.3812, 0.4010

Background



This preview shows how black text looks on a background with the Yxy color 78.5985, 0.3812, 0.4010.



This preview shows how white text looks on a background with the Yxy color 78.5985, 0.3812, 0.4010.

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

78.5985, 0.3812, 0.4010

Protanopia

78.4294, 0.3745, 0.4034

Deuteranopia

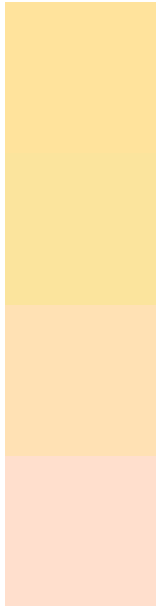
78.4664, 0.3558, 0.3596



Tritanopia

78.3296, 0.3291, 0.3161

Trichromacy



Original Color

78.5985, 0.3812, 0.4010

Protanomaly

78.4304, 0.3771, 0.4018

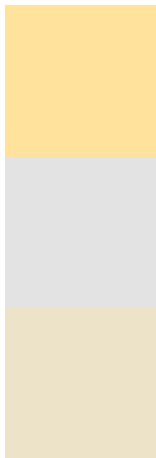
Deuteranomaly

78.4057, 0.3654, 0.3750

Tritanomaly

78.4431, 0.3482, 0.3473

Monochromacy



Original Color

78.5985, 0.3812, 0.4010

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

77.1597, 0.3370, 0.3566

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.5985, 0.3812, 0.4010 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, 227, 156)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 156)  
}
```

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, 227, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 156) }
```

Border

The CSS property to change the border of an element to Yxy 78.5985, 0.3812, 0.4010 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, 227, 156) }
```

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

```
.border{ border-color:rgb(255, 227, 156) }
```

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

Here you see how a box with a 4 pixel rgb(255, 227, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 156);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 78.5985, 0.3812, 0.4010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 227, 156) }
```

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

```
.background{ background-color: rgb(255,  
227, 156) }
```

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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