

Converting Colors

$Y_{xy}(70.6442, 0.3856, 0.3843)$

Have a look what the booklet for
Yxy(70.6442, 0.3856, 0.3843)
contains.

Yxy(70.8156, 0.3855, 0.3848)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.8156, 0.3855, 0.3848)

Conversions

Conversions Part 1

Format	Color
Hex	FFD49E
RGB	255, 212, 158
RGB Percent	100%, 83%, 62%
CMY	0.0001, 0.1685, 0.3804
CMYK	0.00, 0.17, 0.38, 0.00
HSL	33°, 100%, 81%
HSV	33°, 38%, 100%
XYZ	70.9444, 70.8156, 42.2722
YIQ	218.7010, 42.9620, -7.6780

Conversions

Conversions Part 2

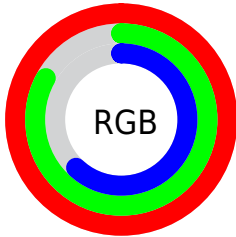
Format	Color
R _Y B	235, 255, 158
Decimal	16766110
CIE Lab	87.40, 7.89, 32.37
CIE LCh	87, 33.312, 76.308
Yxy	70.8156, 0.3855, 0.3848
Android (android.graphics.Color)	4294956190 (0xFFFFD49E)
YUV	218.7010, -29.9256, 31.8342
Hunter-Lab	84.1520, 3.2186, 29.1232

Details

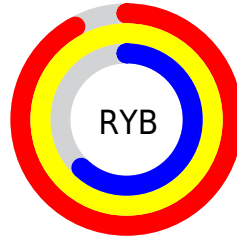
The Yxy color $70.8156, 0.3855, 0.3848$ is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be $56.2281, 0.2502, 0.2654$, and the grayscale version is $70.8088, 0.3127, 0.3290$.

A 20% lighter version of the original color is $97.5841, 0.3376, 0.3701$, and $37.3646, 0.4024, 0.3972$ is the 20% darker color. If you saturate the color by 10%, you get $64.5803, 0.4094, 0.3991$, and if you desaturate by 10%, it is $77.6344, 0.3634, 0.3698$.

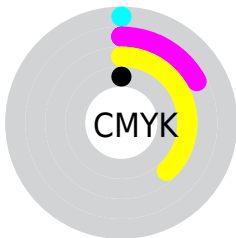
Distribution



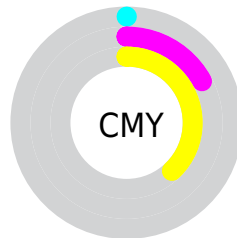
- Red (100%)
- Green (83%)
- Blue (62%)



- Red (92%)
- Yellow (100%)
- Blue (62%)



- Cyan (0%)
- Magenta (17%)
- Yellow (38%)
- Black (0%)





- Cyan (0%)
- Magenta (17%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.8156, 0.3855, 0.3848 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 70.8156, 0.3855, 0.3848 by changing the saturation by 10% instead.


 70.8156, 0.3855,
0.3848


 70.8156, 0.3855,
0.3848

463.4086, 0.3518,
0.3598

 52.1917, 0.3931,
0.3902


 120.3711, 0.3739,
0.3764

 37.1579, 0.4024,
0.3967


 152.0716, 0.3693,
0.3730

 25.3298, 0.4139,
0.4045


188.8997, 0.3654,
0.3701

 16.3229, 0.4287,
0.4141

231.2398, 0.3620,
0.3675

 9.7530, 0.4478,
0.4258

279.4763, 0.3590,
0.3653

 5.2355, 0.4729,
0.4396

333.9937, 0.3563,

 2.3861, 0.5273,

0.3632

0.4727

395.1763, 0.3539,
0.3614

0.8187, 0.5442,
0.4558

0.0000, 0.0000,
0.0000

70.8156, 0.3855,
0.3848

70.8156, 0.3855,
0.3848

64.5803, 0.4094,
0.3991

77.6344, 0.3634,
0.3698

58.8993, 0.4346,
0.4117

85.0449, 0.3434,
0.3547

53.7549, 0.4599,
0.4213

93.0677, 0.3255,
0.3401

49.1243, 0.4840,
0.4266

99.9932, 0.3127,
0.3290

■ 44.9817, 0.5055,
0.4268

■ 41.2947, 0.5233,
0.4215

■ 40.6163, 0.5266,
0.4201

Harmonies

Analogous

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



70.8156, 0.3934, 0.3559



70.8156, 0.3855, 0.3848



70.8156, 0.3577, 0.4010

Triad

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



70.8156, 0.3855, 0.3848



70.8156, 0.2509, 0.3301



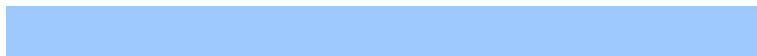
70.8156, 0.3024, 0.2717

Complementary

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



70.8156, 0.3855, 0.3848



56.2281, 0.2502, 0.2654

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.



70.8156, 0.2664, 0.2633



70.8156, 0.3855, 0.3848



70.8156, 0.2382, 0.2938

Square

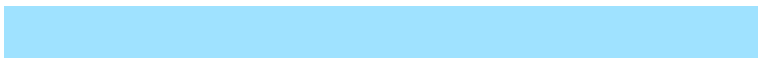
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.8156, 0.3855, 0.3848



70.8156, 0.2799, 0.3692



70.8156, 0.2437, 0.2705



70.8156, 0.3437, 0.2930

Rectangle

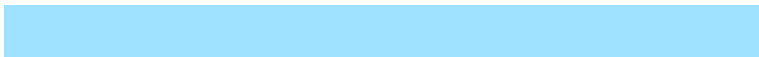
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.8156, 0.3855, 0.3848



70.8156, 0.3323, 0.4005



70.8156, 0.2437, 0.2705



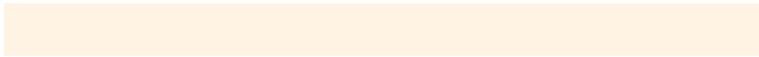
70.8156, 0.2893, 0.2673

Sweetspot

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



70.8189, 0.3855, 0.3848



90.6525, 0.3306, 0.3444



49.9504, 0.3642, 0.2839



19.1680, 0.3330, 0.3464



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.



70.8189, 0.3855, 0.3848



65.8245, 0.4044, 0.3963



94.3106, 0.3667, 0.4249



19.6658, 0.3280, 0.3422



21.5323, 0.5243, 0.4219



2.3145, 0.5090, 0.4340

Inverse Universe

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



56.2281, 0.2502, 0.2654



49.2707, 0.2368, 0.2492



39.4377, 0.2456, 0.2137



18.7017, 0.2979, 0.3154



10.2212, 0.1719, 0.1388



1.2088, 0.1780, 0.1607

Previews

White Background



This preview shows how the Yxy color 70.8156, 0.3855, 0.3848 looks on a white background.

Color Contrast Check

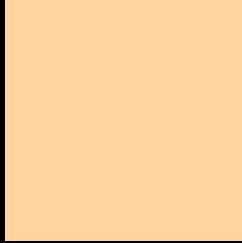
Large Text (above 18pt) WCAG AA × Fail

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 70.8156, 0.3855, 0.3848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

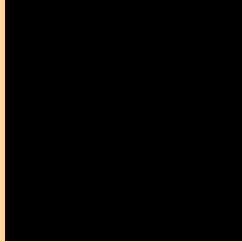
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.8156, 0.3855, 0.3848

Background



This preview shows how black text looks on a background with the Yxy color 70.8156, 0.3855, 0.3848.

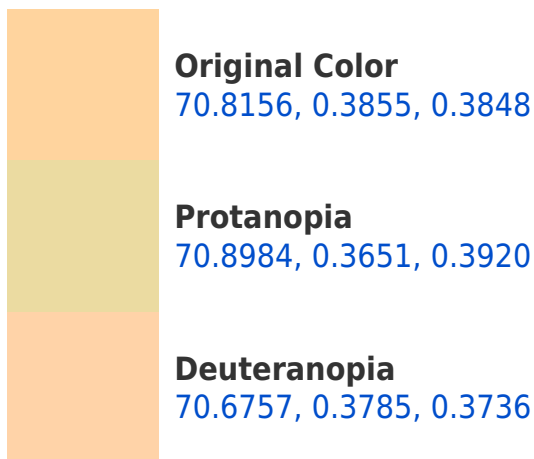


This preview shows how white text looks on a background with the Yxy color 70.8156, 0.3855, 0.3848.

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





Tritanopia

71.0530, 0.3400, 0.3159

Trichromacy



Original Color

70.8156, 0.3855, 0.3848

Protanomaly

70.5270, 0.3723, 0.3889

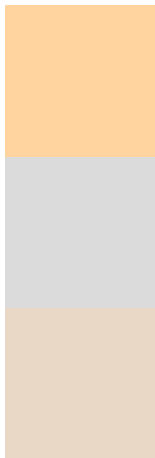
Deuteranomaly

70.5289, 0.3815, 0.3777

Tritanomaly

70.8921, 0.3570, 0.3415

Monochromacy



Original Color

70.8156, 0.3855, 0.3848

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

70.2988, 0.3378, 0.3497

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8156, 0.3855, 0.3848 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, 212, 158)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 158)  
}
```

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, 212, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 158) }
```

Border

The CSS property to change the border of an element to Yxy 70.8156, 0.3855, 0.3848 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, 212, 158) }
```

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

```
.border{ border-color:rgb(255, 212, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 212, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 158);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8156, 0.3855, 0.3848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 212, 158) }
```

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

```
.background{ background-color: rgb(255,  
212, 158) }
```

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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