

# Converting Colors

$Y_{xy}(70.4260, 0.3852, 0.4095)$

Have a look what the booklet for  
Yxy(70.4260, 0.3852, 0.4095)  
contains.

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# Color

**Yxy(70.4260, 0.3852, 0.4095)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2D98D
RGB	242, 217, 141
RGB Percent	95%, 85%, 55%
CMY	0.0509, 0.1490, 0.4470
CMYK	0.00, 0.10, 0.42, 0.05
HSL	45°, 80%, 75%
HSV	45°, 42%, 95%
XYZ	66.2469, 70.4260, 35.3076
YIQ	215.8110, 39.2960, -18.3360

# Conversions

## Conversions Part 2

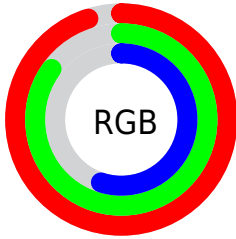
Format	Color
<a href="#">RYB</a>	<a href="#">174, 242, 141</a>
Decimal	<a href="#">15915405</a>
CIELab	<a href="#">87.21, -1.54, 40.54</a>
CIELCh	<a href="#">87, 40.565, 92.170</a>
Yxy	<a href="#">70.4260, 0.3852, 0.4095</a>
Android (android.graphics.Color)	<a href="#">4294105485</a> ( <a href="#">0xFFFF2D98D</a> )
YUV	<a href="#">215.8110, -36.8818, 22.9678</a>
Hunter-Lab	<a href="#">83.9202, -5.9519, 33.7992</a>

# Details

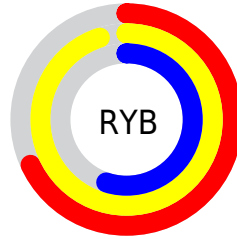
The Yxy color **70.4260, 0.3852, 0.4095** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **39.3683, 0.2399, 0.2322**, and the grayscale version is **68.7746, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7655, 0.3478, 0.3870**, and **36.7523, 0.4012, 0.4275** is the 20% darker color. If you saturate the color by 10%, you get **66.7494, 0.4041, 0.4273**, and if you desaturate by 10%, it is **74.3789, 0.3664, 0.3903**.

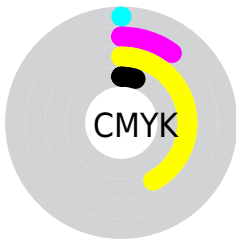
# Distribution



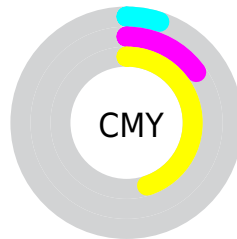
- Red (95%)
- Green (85%)
- Blue (55%)



- Red (68%)
- Yellow (95%)
- Blue (55%)



- Cyan (0%)
- Magenta (10%)
- Yellow (42%)
- Black (5%)



- Cyan (5%)
- Magenta (15%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.4260, 0.3852, 0.4095 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 70.4260, 0.3852, 0.4095 by changing the saturation by 10% instead.





 70.4260, 0.3852,  
0.4095

 70.4260, 0.3852,  
0.4095


462.0444, 0.3523,  
0.3727

 51.8739, 0.3923,  
0.4176


 119.8161, 0.3740,  
0.3970

 36.9046, 0.4009,  
0.4273


 151.4228, 0.3696,  
0.3920

 25.1336, 0.4113,  
0.4391


188.1499, 0.3658,  
0.3877

 16.1766, 0.4240,  
0.4537

230.3817, 0.3624,  
0.3840

 9.6492, 0.4392,  
0.4715

278.5027, 0.3594,  
0.3807

 5.1670, 0.4605,  
0.4967

332.8972, 0.3568,

 2.3456, 0.4792,

0.3777

0.5208

393.9496, 0.3544,  
0.3751

0.7977, 0.4746,  
0.5254

0.0000, 0.0000,  
0.0000

70.4260, 0.3852,  
0.4095

70.4260, 0.3852,  
0.4095

66.7494, 0.4041,  
0.4273

74.3789, 0.3664,  
0.3903

63.3279, 0.4224,  
0.4427

78.6090, 0.3482,  
0.3705


60.1518, 0.4391,  
0.4545

83.1293, 0.3311,  
0.3510

57.2067, 0.4534,  
0.4619


87.9491, 0.3153,  
0.3322

 54.4752, 0.4648,  
0.4644

 92.6157, 0.3049,  
0.3211

 52.3572, 0.4722,  
0.4633

 96.3434, 0.3048,  
0.3270

 97.6224, 0.3048,  
0.3290

# Harmonies

## Analogous

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



70.4260, 0.4094, 0.3800



70.4260, 0.3852, 0.4095



70.4260, 0.3424, 0.4182

# Triad

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



70.4260, 0.3852, 0.4095



70.4260, 0.2276, 0.3047



70.4260, 0.3264, 0.2722

# Complementary

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



70.4260, 0.3852, 0.4095



39.3683, 0.2399, 0.2322

# 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.



70.4260, 0.2778, 0.2535



70.4260, 0.3852, 0.4095



70.4260, 0.2240, 0.2686

# Square

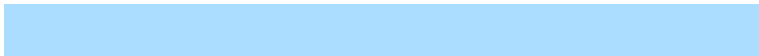
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.4260, 0.3852, 0.4095



70.4260, 0.2521, 0.3532



70.4260, 0.2416, 0.2515



70.4260, 0.3747, 0.3034



# Rectangle

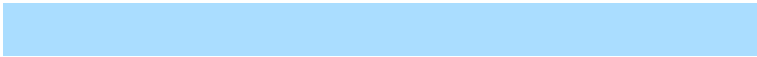
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.4260, 0.3852, 0.4095



70.4260, 0.3097, 0.4077



70.4260, 0.2416, 0.2515



70.4260, 0.3095, 0.2643

# Sweetspot

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



70.4293, 0.3852, 0.4095



92.9156, 0.3333, 0.3535



40.7007, 0.3930, 0.3014



19.6426, 0.3370, 0.3578



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.



70.4293, 0.3852, 0.4095



75.7955, 0.4011, 0.4246



80.1626, 0.3568, 0.4392



17.7568, 0.3274, 0.3467



28.3461, 0.4711, 0.4641



2.5135, 0.4628, 0.4707



# Inverse Universe

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



39.3683, 0.2399, 0.2322



36.6007, 0.2239, 0.2086



33.6041, 0.2532, 0.2058



15.8651, 0.2980, 0.3107



5.3593, 0.1579, 0.0885

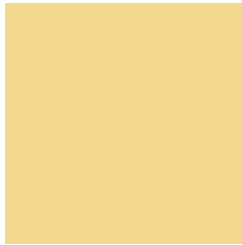


0.5980, 0.1647, 0.1130



# Previews

## White Background



This preview shows how the Yxy color 70.4260, 0.3852, 0.4095 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

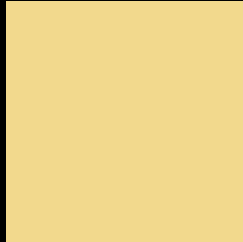
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.4260, 0.3852, 0.4095 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 70.4260, 0.3852, 0.4095**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.4260, 0.3852, 0.4095.



This preview shows how white text looks on a background with the Yxy color 70.4260, 0.3852, 0.4095.

# 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

70.4260, 0.3852, 0.4095

### Protanopia

70.7932, 0.3805, 0.4114

### Deuteranopia

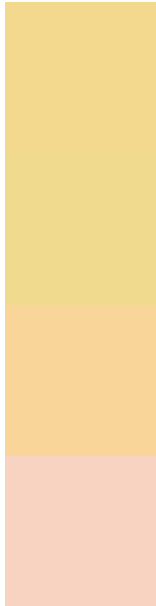
70.4217, 0.3837, 0.3807



## Tritanopia

70.4626, 0.3347, 0.3127

# Trichromacy



**Original Color**

70.4260, 0.3852, 0.4095

**Protanomaly**

70.4465, 0.3817, 0.4102

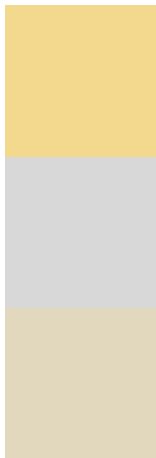
**Deuteranomaly**

70.2456, 0.3841, 0.3907

**Tritanomaly**

70.3952, 0.3541, 0.3480

# Monochromacy



**Original Color**

70.4260, 0.3852, 0.4095

**Achromatopsia**

68.6685, 0.3127, 0.3290

**Achromatomaly**

68.7934, 0.3382, 0.3591

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.4260, 0.3852, 0.4095 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(242, 217, 141)` looks like.

```
.text, #text, p{  
    color:rgb(242, 217, 141)  
}
```

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(242, 217, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 217, 141) }
```

## Border

The CSS property to change the border of an element to Yxy 70.4260, 0.3852, 0.4095 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(242, 217, 141) }
```

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

```
.border{ border-color:rgb(242, 217, 141) }
```

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

Here you see how a box with a 4 pixel rgb(242, 217, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 217, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 217, 141);  
box-shadow:4px 4px 4px 4px rgb(242, 217,  
141) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 70.4260, 0.3852, 0.4095$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 217, 141) }
```

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

```
.background{ background-color: rgb(242,  
217, 141) }
```

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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