

Converting Colors

$Y_{xy}(87.1006, 0.4463, 0.3755)$

Have a look what the booklet for
Yxy(87.1006, 0.4463, 0.3755)
contains.

Yxy(70.1484, 0.3896, 0.3888)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(70.1484, 0.3896, 0.3888)

Conversions

Conversions Part 1

Format	Color
Hex	FFD399
RGB	255, 211, 153
RGB Percent	100%, 83%, 60%
CMY	0.0000, 0.1726, 0.3999
CMYK	0.00, 0.17, 0.40, 0.00
HSL	34°, 100%, 80%
HSV	34°, 40%, 100%
XYZ	70.2927, 70.1484, 39.9817
YIQ	217.5440, 44.8420, -8.7100

Conversions

Conversions Part 2

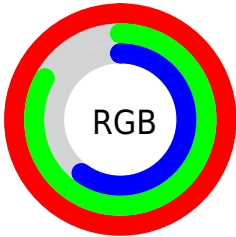
Format	Color
R _Y B	230, 255, 153
Decimal	16765849
CIE Lab	87.07, 7.90, 34.49
CIE LCh	87, 35.381, 77.104
Yxy	70.1484, 0.3896, 0.3888
Android (android.graphics.Color)	4294955929 (0xFFFFD399)
YUV	217.5440, -31.8202, 32.8489
Hunter-Lab	83.7546, 3.2390, 30.3252

Details

The Yxy color **70.1484, 0.3896, 0.3888** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **53.9404, 0.2467, 0.2600**, and the grayscale version is **69.9794, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3341, 0.3406, 0.3751**, and **36.9238, 0.4077, 0.4021** is the 20% darker color. If you saturate the color by 10%, you get **64.1104, 0.4135, 0.4031**, and if you desaturate by 10%, it is **76.7373, 0.3673, 0.3736**.

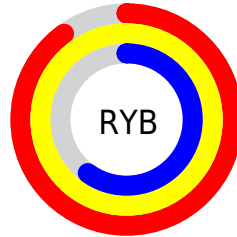
Distribution



Red (100%)

Green (83%)

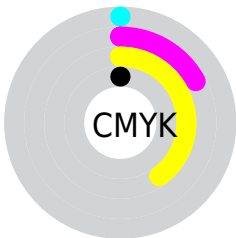
Blue (60%)



Red (90%)

Yellow (100%)

Blue (60%)

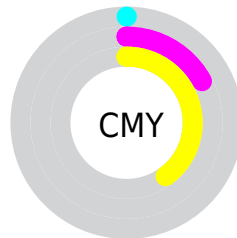


Cyan (0%)

Magenta (17%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (17%)

Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.1484, 0.3896, 0.3888 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 70.1484, 0.3896, 0.3888 by changing the saturation by 10% instead.

 70.1484, 0.3896,
0.3888


 70.1484, 0.3896,
0.3888


461.0709, 0.3540,
0.3621

 51.6475, 0.3976,
0.3945


 119.4204, 0.3773,
0.3798

 36.7242, 0.4073,
0.4014


 150.9602, 0.3725,
0.3762

 24.9940, 0.4194,
0.4097


187.6152, 0.3684,
0.3731

 16.0726, 0.4347,
0.4197

229.7697, 0.3648,
0.3703

 9.5755, 0.4544,
0.4318

277.8082, 0.3616,
0.3679

 5.1184, 0.4801,
0.4458

332.1149, 0.3588,

 2.3169, 0.5277,

0.3657

0.4723

393.0744, 0.3563,
0.3638

0.7826, 0.5457,
0.4543

0.0000, 0.0000,
0.0000

70.1484, 0.3896,
0.3888

70.1484, 0.3896,
0.3888

64.1104, 0.4135,
0.4031

76.7373, 0.3673,
0.3736

58.6094, 0.4383,
0.4155

83.9001, 0.3470,
0.3582

53.6232, 0.4630,
0.4246

91.6517, 0.3288,
0.3432

49.1291, 0.4862,
0.4292

100.0000, 0.3127,
0.3290

■ 45.1011, 0.5065,
0.4285

■ 41.5021, 0.5232,
0.4228

■ 41.4989, 0.5232,
0.4228

Harmonies

Analogous

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



70.1484, 0.3988, 0.3582



70.1484, 0.3896, 0.3888



70.1484, 0.3594, 0.4060

Triad

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



70.1484, 0.3896, 0.3888



70.1484, 0.2465, 0.3288



70.1484, 0.3028, 0.2688

Complementary

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



70.1484, 0.3896, 0.3888



53.9404, 0.2467, 0.2600

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.



70.1484, 0.2643, 0.2594



70.1484, 0.3896, 0.3888



70.1484, 0.2336, 0.2905

Square

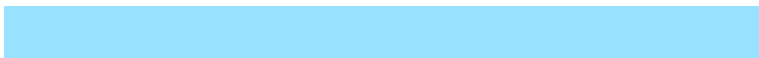
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.1484, 0.3896, 0.3888



70.1484, 0.2767, 0.3709



70.1484, 0.2399, 0.2664



70.1484, 0.3468, 0.2915

Rectangle

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



70.1484, 0.3896, 0.3888



70.1484, 0.3322, 0.4052



70.1484, 0.2399, 0.2664



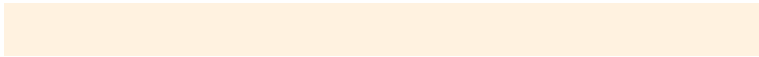
70.1484, 0.2888, 0.2640

Sweetspot

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



70.1467, 0.3896, 0.3888



90.0460, 0.3323, 0.3462



48.0914, 0.3696, 0.2833



19.0529, 0.3346, 0.3481



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.



70.1467, 0.3896, 0.3888



65.2686, 0.4086, 0.4004



93.8140, 0.3681, 0.4301



19.7012, 0.3280, 0.3425



21.9866, 0.5210, 0.4245



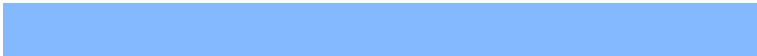
2.3580, 0.5062, 0.4362

Inverse Universe

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



53.9404, 0.2467, 0.2600



47.0474, 0.2331, 0.2432



37.4656, 0.2427, 0.2071



18.6669, 0.2979, 0.3151



9.8873, 0.1709, 0.1353



1.1748, 0.1770, 0.1573

Previews

White Background



This preview shows how the Yxy color 70.1484, 0.3896, 0.3888 looks on a white background.

Color Contrast Check

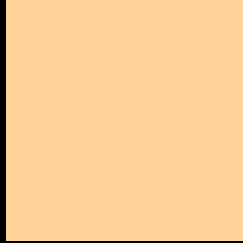
Large Text (above 18pt) WCAG AA × Fail

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 70.1484, 0.3896, 0.3888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

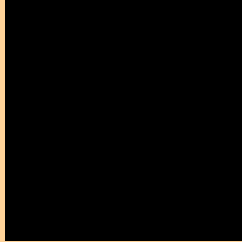
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.1484, 0.3896, 0.3888

Background



This preview shows how black text looks on a background with the Yxy color 70.1484, 0.3896, 0.3888.



This preview shows how white text looks on a background with the Yxy color 70.1484, 0.3896, 0.3888.

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

70.1484, 0.3896, 0.3888

Protanopia

70.2053, 0.3689, 0.3964

Deuteranopia

70.0335, 0.3818, 0.3767



Tritanopia

69.9846, 0.3418, 0.3159

Trichromacy



Original Color

70.1484, 0.3896, 0.3888

Protanomaly

69.8447, 0.3762, 0.3932

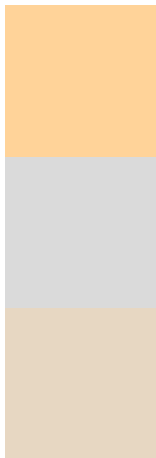
Deuteranomaly

69.8913, 0.3848, 0.3808

Tritanomaly

69.7807, 0.3598, 0.3425

Monochromacy



Original Color

70.1484, 0.3896, 0.3888

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

69.4848, 0.3394, 0.3520

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.1484, 0.3896, 0.3888 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, 211, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 211, 153)  
}
```

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, 211, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 211, 153) }
```

Border

The CSS property to change the border of an element to Yxy 70.1484, 0.3896, 0.3888 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, 211, 153) }
```

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

```
.border{ border-color:rgb(255, 211, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 211, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 211, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 211, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 211,  
153) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 70.1484, 0.3896, 0.3888$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 211, 153) }
```

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

```
.background{ background-color: rgb(255,  
211, 153) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor