

Converting Colors

$Y_{xy}(76.4287, 0.4211, 0.3978)$

Have a look what the booklet for
Yxy(76.4287, 0.4211, 0.3978)
contains.

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Color

Yxy(70.7126, 0.3987, 0.4045)

Conversions

Conversions Part 1

Format	Color
Hex	FFD58B
RGB	255, 213, 139
RGB Percent	100%, 84%, 55%
CMY	0.0000, 0.1647, 0.4549
CMYK	0.00, 0.16, 0.45, 0.00
HSL	38°, 100%, 77%
HSV	38°, 45%, 100%
XYZ	69.6987, 70.7126, 34.4036
YIQ	217.1220, 48.7860, -14.1100

Conversions

Conversions Part 2

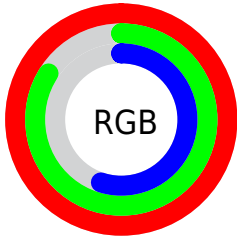
Format	Color
R _Y B	205, 255, 139
Decimal	16766347
CIE Lab	87.35, 5.43, 41.96
CIE LCh	87, 42.310, 82.625
Yxy	70.7126, 0.3987, 0.4045
Android (android.graphics.Color)	4294956427 (0xFFFFD58B)
YUV	217.1220, -38.5141, 33.2190
Hunter-Lab	84.0908, 0.7909, 34.6066

Details

The Yxy color **70.7126, 0.3987, 0.4045** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **45.7601, 0.2355, 0.2383**, and the grayscale version is **69.7202, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6303, 0.3496, 0.3900**, and **37.2202, 0.4174, 0.4212** is the 20% darker color. If you saturate the color by 10%, you get **65.5391, 0.4210, 0.4194**, and if you desaturate by 10%, it is **76.3257, 0.3771, 0.3881**.

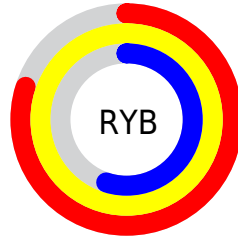
Distribution



Red (100%)

Green (84%)

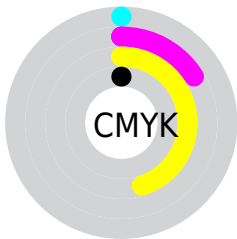
Blue (55%)



Red (80%)

Yellow (100%)

Blue (55%)

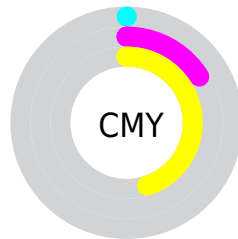


Cyan (0%)

Magenta (16%)

Yellow (45%)

Black (0%)



Cyan (0%)


Magenta (16%)

Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.7126, 0.3987, 0.4045 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 70.7126, 0.3987, 0.4045 by changing the saturation by 10% instead.


 70.7126, 0.3987,
0.4045


 70.7126, 0.3987,
0.4045


463.0481, 0.3594,
0.3709


 52.1077, 0.4073,
0.4116


 120.2244, 0.3853,
0.3932

 37.0909, 0.4176,
0.4201


 151.9001, 0.3800,
0.3887

 25.2779, 0.4302,
0.4301


 188.7015, 0.3755,
0.3848

 16.2842, 0.4457,
0.4420

231.0130, 0.3714,
0.3813

 9.7255, 0.4645,
0.4557

279.2191, 0.3679,
0.3783

 5.2173, 0.4920,
0.4750

333.7040, 0.3648,

 2.3753, 0.5151,

0.3755

0.4849

394.8522, 0.3620,
0.3731

0.8132, 0.5273,
0.4727

0.0000, 0.0000,
0.0000

70.7126, 0.3987,
0.4045

70.7126, 0.3987,
0.4045

65.5391, 0.4210,
0.4194

76.3257, 0.3771,
0.3881

60.7867, 0.4430,
0.4315

82.3918, 0.3568,
0.3710

56.4376, 0.4638,
0.4397

88.9258, 0.3381,
0.3540

52.4711, 0.4822,
0.4430

95.9413, 0.3212,
0.3376

■ 48.8624, 0.4972,
0.4409

100.0000, 0.3127,
0.3290

■ 47.3368, 0.5031,
0.4387

Harmonies

Analogous

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



70.7126, 0.4156, 0.3696



70.7126, 0.3987, 0.4045



70.7126, 0.3589, 0.4222

Triad

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



70.7126, 0.3987, 0.4045



70.7126, 0.2301, 0.3188



70.7126, 0.3101, 0.2623

Complementary

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



70.7126, 0.3987, 0.4045



45.7601, 0.2355, 0.2383

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.



70.7126, 0.2625, 0.2480



70.7126, 0.3987, 0.4045



70.7126, 0.2195, 0.2759

Square

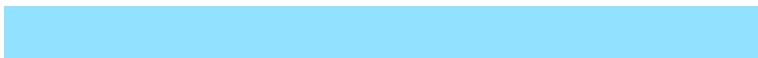
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.7126, 0.3987, 0.4045



70.7126, 0.2618, 0.3706



70.7126, 0.2308, 0.2519



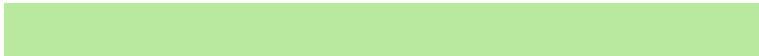
70.7126, 0.3623, 0.2910

Rectangle

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



70.7126, 0.3987, 0.4045



70.7126, 0.3257, 0.4183



70.7126, 0.2308, 0.2519



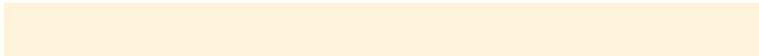
70.7126, 0.2930, 0.2557

Sweetspot

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



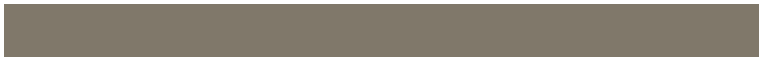
70.7133, 0.3987, 0.4045



89.9384, 0.3355, 0.3515



43.0858, 0.3894, 0.2850



18.9368, 0.3393, 0.3552



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.



70.7133, 0.3987, 0.4045



65.7813, 0.4199, 0.4187



91.8282, 0.3696, 0.4454



19.9196, 0.3278, 0.3441



25.0282, 0.5013, 0.4401



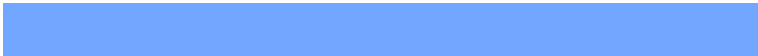
2.6446, 0.4895, 0.4495

Inverse Universe

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



45.7601, 0.2355, 0.2383



37.9506, 0.2189, 0.2150



32.6040, 0.2365, 0.1895



18.4544, 0.2979, 0.3134



8.0595, 0.1653, 0.1151



0.9834, 0.1716, 0.1376

Previews

White Background



This preview shows how the Yxy color 70.7126, 0.3987, 0.4045 looks on a white background.

Color Contrast Check

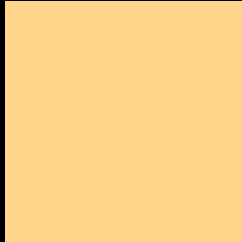
Large Text (above 18pt) WCAG AA × Fail

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 70.7126, 0.3987, 0.4045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

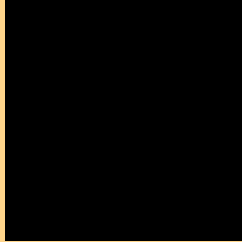
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.7126, 0.3987, 0.4045

Background



This preview shows how black text looks on a background with the Yxy color 70.7126, 0.3987, 0.4045.



This preview shows how white text looks on a background with the Yxy color 70.7126, 0.3987, 0.4045.

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

70.7126, 0.3987, 0.4045

Protanopia

70.7633, 0.3812, 0.4124

Deuteranopia

70.9202, 0.3833, 0.3817



Tritanopia

70.5171, 0.3409, 0.3159

Trichromacy



Original Color

70.7126, 0.3987, 0.4045

Protanomaly

70.7523, 0.3874, 0.4100

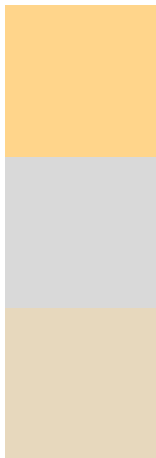
Deuteranomaly

70.6469, 0.3892, 0.3898

Tritanomaly

70.5786, 0.3624, 0.3487

Monochromacy



Original Color

70.7126, 0.3987, 0.4045

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.7748, 0.3428, 0.3586

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7126, 0.3987, 0.4045 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, 213, 139)` looks like.

```
.text, #text, p{  
    color:rgb(255, 213, 139)  
}
```

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, 213, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 213, 139) }
```

Border

The CSS property to change the border of an element to Yxy 70.7126, 0.3987, 0.4045 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, 213, 139) }
```

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

```
.border{ border-color:rgb(255, 213, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 213, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 213, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 213, 139);  
box-shadow:4px 4px 4px 4px rgb(255, 213,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7126, 0.3987, 0.4045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 213, 139) }
```

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

```
.background{ background-color: rgb(255,  
213, 139) }
```

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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