

Converting Colors

$Y_{xy}(86.3204, 0.4427, 0.3775)$

Have a look what the booklet for
Yxy(86.3204, 0.4427, 0.3775)
contains.

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Color

Yxy(70.6140, 0.3899, 0.3908)

Conversions

Conversions Part 1

Format	Color
Hex	FFD498
RGB	255, 212, 152
RGB Percent	100%, 83%, 60%
CMY	0.0000, 0.1686, 0.4039
CMYK	0.00, 0.17, 0.40, 0.00
HSL	35°, 100%, 80%
HSV	35°, 40%, 100%
XYZ	70.4514, 70.6140, 39.6255
YIQ	218.0170, 44.8880, -9.5440

Conversions

Conversions Part 2

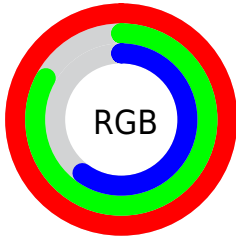
Format	Color
R _Y B	226, 255, 152
Decimal	16766104
CIE Lab	87.30, 7.26, 35.31
CIE LCh	87, 36.045, 78.387
Yxy	70.6140, 0.3899, 0.3908
Android (android.graphics.Color)	4294956184 (0xFFFFD498)
YUV	218.0170, -32.5464, 32.4341
Hunter-Lab	84.0321, 2.5957, 30.8642

Details

The Yxy color **70.6140, 0.3899, 0.3908** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **52.9276, 0.2457, 0.2574**, and the grayscale version is **70.3313, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2850, 0.3412, 0.3760**, and **37.2441, 0.4079, 0.4045** is the 20% darker color. If you saturate the color by 10%, you get **64.7214, 0.4134, 0.4054**, and if you desaturate by 10%, it is **77.0437, 0.3678, 0.3752**.

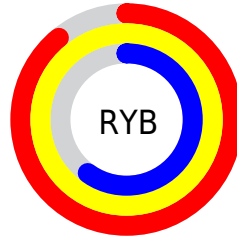
Distribution



Red (100%)

Green (83%)

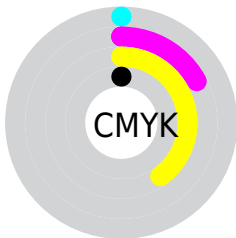
Blue (60%)



Red (89%)

Yellow (100%)

Blue (60%)

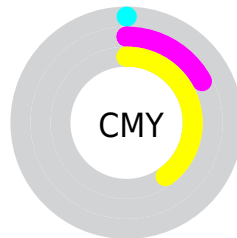


Cyan (0%)

Magenta (17%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (17%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.6140, 0.3899, 0.3908 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 70.6140, 0.3899, 0.3908 by changing the saturation by 10% instead.

 70.6140, 0.3899,
0.3908


 70.6140, 0.3899,
0.3908


462.7029, 0.3543,
0.3632

 52.0273, 0.3979,
0.3967


 120.0839, 0.3776,
0.3815

 37.0268, 0.4076,
0.4038


 151.7359, 0.3728,
0.3778

 25.2282, 0.4196,
0.4124


188.5118, 0.3687,
0.3745

 16.2472, 0.4347,
0.4228

230.7959, 0.3651,
0.3717

 9.6992, 0.4541,
0.4352

278.9727, 0.3619,
0.3692

 5.2000, 0.4792,
0.4497

333.4265, 0.3590,

 2.3651, 0.5243,

0.3670

0.4757

394.5418, 0.3565,
0.3650

0.8078, 0.5402,
0.4598

0.0000, 0.0000,
0.0000

70.6140, 0.3899,
0.3908

70.6140, 0.3899,
0.3908

64.7214, 0.4134,
0.4054

77.0437, 0.3678,
0.3752

59.3377, 0.4378,
0.4179

84.0178, 0.3476,
0.3595

54.4463, 0.4618,
0.4271

91.5556, 0.3295,
0.3442

50.0252, 0.4842,
0.4319

99.6724, 0.3133,
0.3296

■ 46.0492, 0.5036,
0.4313

99.9999, 0.3127,
0.3290

■ 42.6127, 0.5191,
0.4261

Harmonies

Analogous

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



70.6140, 0.4004, 0.3600



70.6140, 0.3899, 0.3908



70.6140, 0.3584, 0.4075

Triad

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



70.6140, 0.3899, 0.3908



70.6140, 0.2445, 0.3269



70.6140, 0.3045, 0.2686

Complementary

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



70.6140, 0.3899, 0.3908



52.9276, 0.2457, 0.2574

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.



70.6140, 0.2649, 0.2584



70.6140, 0.3899, 0.3908



70.6140, 0.2323, 0.2884

Square

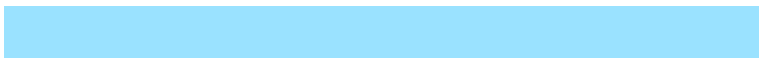
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.6140, 0.3899, 0.3908



70.6140, 0.2744, 0.3700



70.6140, 0.2395, 0.2647



70.6140, 0.3492, 0.2922

Rectangle

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



70.6140, 0.3899, 0.3908



70.6140, 0.3306, 0.4061



70.6140, 0.2395, 0.2647



70.6140, 0.2902, 0.2635

Sweetspot

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



70.6173, 0.3899, 0.3908



90.3025, 0.3323, 0.3466



47.7340, 0.3704, 0.2828



19.1133, 0.3346, 0.3486



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.



70.6173, 0.3899, 0.3908



66.0826, 0.4077, 0.4020



93.7679, 0.3686, 0.4310



19.7453, 0.3280, 0.3428



22.5680, 0.5170, 0.4277



2.4133, 0.5028, 0.4390

Inverse Universe

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



52.9276, 0.2457, 0.2574



46.3288, 0.2327, 0.2410



37.0376, 0.2419, 0.2057



18.6237, 0.2979, 0.3148



9.4861, 0.1697, 0.1310



1.1335, 0.1759, 0.1532

Previews

White Background



This preview shows how the Yxy color 70.6140, 0.3899, 0.3908 looks on a white background.

Color Contrast Check

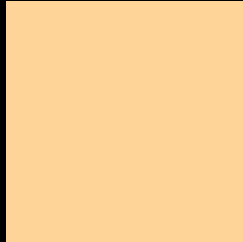
Large Text (above 18pt) WCAG AA × Fail

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 70.6140, 0.3899, 0.3908 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

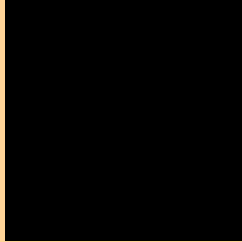
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.6140, 0.3899, 0.3908

Background



This preview shows how black text looks on a background with the Yxy color 70.6140, 0.3899, 0.3908.



This preview shows how white text looks on a background with the Yxy color 70.6140, 0.3899, 0.3908.

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

70.6140, 0.3899, 0.3908

Protanopia

70.8625, 0.3701, 0.3983

Deuteranopia

70.5651, 0.3807, 0.3766



Tritanopia

70.5171, 0.3409, 0.3159

Trichromacy



Original Color

70.6140, 0.3899, 0.3908

Protanomaly

70.4995, 0.3774, 0.3950

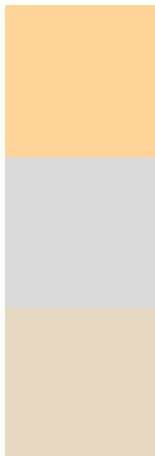
Deuteranomaly

70.3866, 0.3844, 0.3818

Tritanomaly

70.3119, 0.3588, 0.3425

Monochromacy



Original Color

70.6140, 0.3899, 0.3908

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

69.9957, 0.3392, 0.3531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6140, 0.3899, 0.3908 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, 152)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 152)  
}
```

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, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 152) }
```

Border

The CSS property to change the border of an element to Yxy 70.6140, 0.3899, 0.3908 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, 152) }
```

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

```
.border{ border-color:rgb(255, 212, 152) }
```

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, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 152);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6140, 0.3899, 0.3908 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, 152) }
```

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

```
.background{ background-color: rgb(255,  
212, 152) }
```

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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