

Converting Colors

$Y_{xy}(71.7218, 0.4172, 0.3850)$

Have a look what the booklet for
Yxy(71.7218, 0.4172, 0.3850)
contains.

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Color

Yxy(66.9980, 0.3974, 0.3900)

Conversions

Conversions Part 1

Format	Color
Hex	FFCD92
RGB	255, 205, 146
RGB Percent	100%, 80%, 57%
CMY	0.0000, 0.1961, 0.4275
CMYK	0.00, 0.20, 0.43, 0.00
HSL	32°, 100%, 79%
HSV	32°, 43%, 100%
XYZ	68.2692, 66.9980, 36.5225
YIQ	213.2240, 48.7390, -7.7490

Conversions

Conversions Part 2

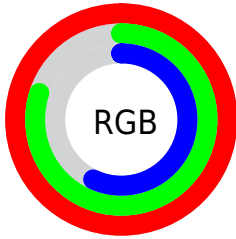
Format	Color
R _Y B	238, 255, 146
Decimal	16764306
CIE Lab	85.50, 10.27, 36.04
CIE LCh	86, 37.477, 74.098
Yxy	66.9980, 0.3974, 0.3900
Android (android.graphics.Color)	4294954386 (0xFFFFCD92)
YUV	213.2240, -33.1414, 36.6376
Hunter-Lab	81.8523, 5.6371, 30.8414

Details

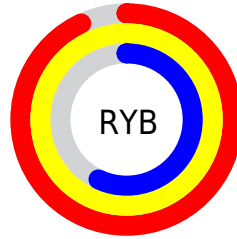
The Yxy color **66.9980, 0.3974, 0.3900** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **52.8082, 0.2426, 0.2581**, and the grayscale version is **66.8940, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9501, 0.3454, 0.3830**, and **34.6952, 0.4163, 0.4024** is the 20% darker color. If you saturate the color by 10%, you get **60.8983, 0.4225, 0.4033**, and if you desaturate by 10%, it is **73.6851, 0.3740, 0.3756**.

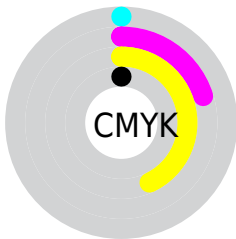
Distribution



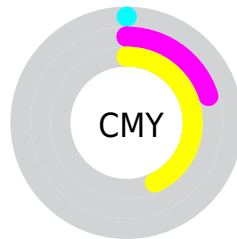
- Red (100%)
- Green (80%)
- Blue (57%)



- Red (93%)
- Yellow (100%)
- Blue (57%)



- Cyan (0%)
- Magenta (20%)
- Yellow (43%)
- Black (0%)





- Cyan (0%)
- Magenta (20%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.9980, 0.3974, 0.3900 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 66.9980, 0.3974, 0.3900 by changing the saturation by 10% instead.


 66.9980, 0.3974,
0.3900


 66.9980, 0.3974,
0.3900

449.9377, 0.3579,
0.3628

 49.0830, 0.4063,
0.3958


 114.9175, 0.3837,
0.3809

 34.6853, 0.4172,
0.4026

 145.6909, 0.3784,
0.3772

 23.4206, 0.4308,
0.4108


181.5191, 0.3738,
0.3741

 14.9044, 0.4479,
0.4204

222.7867, 0.3698,
0.3713

 8.7523, 0.4698,
0.4316

269.8779, 0.3663,
0.3688

 4.5800, 0.5006,
0.4455

323.1772, 0.3632,

 2.0030, 0.5419,

0.3666

0.4581

383.0690, 0.3604,
0.3646

0.6092, 0.5766,
0.4234

0.0000, 0.0000,
0.0000

66.9980, 0.3974,
0.3900

66.9980, 0.3974,
0.3900

60.8983, 0.4225,
0.4033

73.6851, 0.3740,
0.3756

55.3770, 0.4485,
0.4142

80.9913, 0.3527,
0.3609

50.4073, 0.4742,
0.4217

88.9309, 0.3337,
0.3464

45.9641, 0.4981,
0.4243

97.5217, 0.3170,
0.3326

■ 42.0185, 0.5186, 100.0000, 0.3127,
0.4214 0.3290

■ 39.4432, 0.5313,
0.4164

Harmonies

Analogous

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



66.9980, 0.4049, 0.3561



66.9980, 0.3974, 0.3900



66.9980, 0.3666, 0.4109

Triad

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



66.9980, 0.3974, 0.3900



66.9980, 0.2442, 0.3332



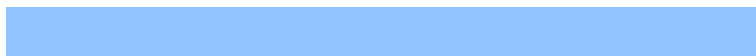
66.9980, 0.2973, 0.2629

Complementary

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



66.9980, 0.3974, 0.3900



52.8082, 0.2426, 0.2581

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.



66.9980, 0.2574, 0.2545



66.9980, 0.3974, 0.3900



66.9980, 0.2286, 0.2909

Square

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



66.9980, 0.3974, 0.3900



66.9980, 0.2779, 0.3784



66.9980, 0.2332, 0.2635



66.9980, 0.3446, 0.2859

Rectangle

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



66.9980, 0.3974, 0.3900



66.9980, 0.3380, 0.4122



66.9980, 0.2332, 0.2635



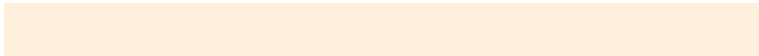
66.9980, 0.2826, 0.2583

Sweetspot

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



66.9940, 0.3974, 0.3900



88.7241, 0.3342, 0.3468



45.8392, 0.3715, 0.2765



18.6044, 0.3382, 0.3499



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.



66.9940, 0.3974, 0.3900



61.9226, 0.4180, 0.4011



94.1723, 0.3741, 0.4357



19.6161, 0.3281, 0.3419



20.9123, 0.5290, 0.4182



2.2548, 0.5130, 0.4309

Inverse Universe

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



52.8082, 0.2426, 0.2581



46.1107, 0.2291, 0.2413



34.2226, 0.2345, 0.1965



18.7507, 0.2979, 0.3158



10.7084, 0.1733, 0.1439



1.2581, 0.1793, 0.1654

Previews

White Background



This preview shows how the Yxy color 66.9980, 0.3974, 0.3900 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 66.9980, 0.3974, 0.3900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

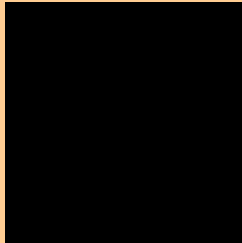
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.9980, 0.3974, 0.3900

Background



This preview shows how black text looks on a background with the Yxy color 66.9980, 0.3974, 0.3900.



This preview shows how white text looks on a background with the Yxy color 66.9980, 0.3974, 0.3900.

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

66.9980, 0.3974, 0.3900

Protanopia

67.2841, 0.3713, 0.3997

Deuteranopia

67.0608, 0.3959, 0.3880



Tritanopia

66.8603, 0.3474, 0.3158

Trichromacy



Original Color

66.9980, 0.3974, 0.3900

Protanomaly

67.2837, 0.3804, 0.3959

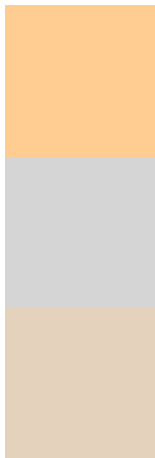
Deuteranomaly

67.0292, 0.3966, 0.3890

Tritanomaly

66.6641, 0.3660, 0.3426

Monochromacy



Original Color

66.9980, 0.3974, 0.3900

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

66.2613, 0.3416, 0.3524

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.9980, 0.3974, 0.3900 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, 205, 146)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 146)  
}
```

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, 205, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 146) }
```

Border

The CSS property to change the border of an element to Yxy 66.9980, 0.3974, 0.3900 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, 205, 146) }
```

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

```
.border{ border-color:rgb(255, 205, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 205, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 146);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 66.9980, 0.3974, 0.3900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 205, 146) }
```

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

```
.background{ background-color: rgb(255,  
205, 146) }
```

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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