

# Converting Colors

$Y_{xy}(106.7840, 0.4920, 0.3748)$

Have a look what the booklet for  
Yxy(106.7840, 0.4920, 0.3748)  
contains.

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# Color

**Yxy(70.2404, 0.3985, 0.4026)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD48C
RGB	255, 212, 140
RGB Percent	100%, 83%, 55%
CMY	0.0000, 0.1686, 0.4510
CMYK	0.00, 0.17, 0.45, 0.00
HSL	38°, 100%, 77%
HSV	38°, 45%, 100%
XYZ	69.5251, 70.2404, 34.7015
YIQ	216.6490, 48.7400, -13.2760

# Conversions

## Conversions Part 2

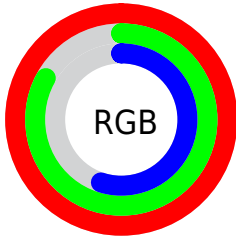
Format	Color
R <sub>Y</sub> B	209, 255, 140
Decimal	16766092
CIE Lab	87.11, 6.05, 41.17
CIE LCh	87, 41.613, 81.640
Yxy	70.2404, 0.3985, 0.4026
Android (android.graphics.Color)	4294956172 (0xFFFFD48C)
YUV	216.6490, -37.7880, 33.6338
Hunter-Lab	83.8095, 1.4098, 34.1176

# Details

The Yxy color **70.2404, 0.3985, 0.4026** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **46.6618, 0.2365, 0.2409**, and the grayscale version is **69.3704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6750, 0.3490, 0.3890**, and **36.8941, 0.4173, 0.4189** is the 20% darker color. If you saturate the color by 10%, you get **64.9434, 0.4211, 0.4173**, and if you desaturate by 10%, it is **75.9883, 0.3767, 0.3864**.

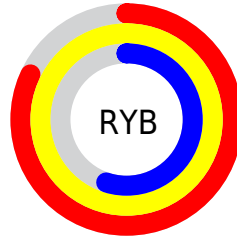
# Distribution



Red (100%)

Green (83%)

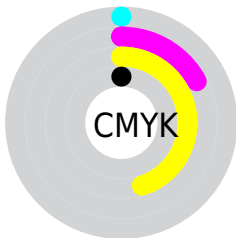
Blue (55%)



Red (82%)

Yellow (100%)

Blue (55%)

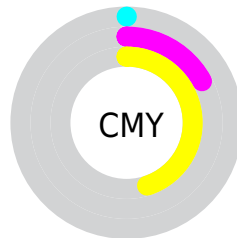


Cyan (0%)

Magenta (17%)

Yellow (45%)

Black (0%)



Cyan (0%)

Magenta (17%)


Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.2404, 0.3985, 0.4026 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 70.2404, 0.3985, 0.4026 by changing the saturation by 10% instead.





 70.2404, 0.3985,  
0.4026


 70.2404, 0.3985,  
0.4026

461.3936, 0.3592,  
0.3698

 51.7225, 0.4071,  
0.4095


 119.5515, 0.3851,  
0.3916

 36.7840, 0.4175,  
0.4178


 151.1136, 0.3798,  
0.3872

 25.0403, 0.4303,  
0.4276


 187.7925, 0.3752,  
0.3834

 16.1071, 0.4459,  
0.4392

229.9726, 0.3712,  
0.3800

 9.5999, 0.4652,  
0.4526

278.0384, 0.3677,  
0.3770

 5.1345, 0.4930,  
0.4712

332.3743, 0.3645,

 2.3264, 0.5184,

0.3743

0.4816

393.3645, 0.3617,  
0.3720

0.7876, 0.5326,  
0.4674

0.0000, 0.0000,  
0.0000

70.2404, 0.3985,  
0.4026

70.2404, 0.3985,  
0.4026

64.9434, 0.4211,  
0.4173

75.9883, 0.3767,  
0.3864

60.0877, 0.4437,  
0.4293

82.2102, 0.3562,  
0.3696

55.6522, 0.4651,  
0.4375

88.9184, 0.3375,  
0.3529

51.6155, 0.4841,  
0.4407

96.1268, 0.3206,  
0.3369

■ 47.9528, 0.4998,  
0.4386

100.0000, 0.3127,  
0.3290

■ 46.2790, 0.5065,  
0.4361

# Harmonies

## Analogous

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



70.2404, 0.4142, 0.3678



70.2404, 0.3985, 0.4026



70.2404, 0.3599, 0.4207

# Triad

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



70.2404, 0.3985, 0.4026



70.2404, 0.2319, 0.3206



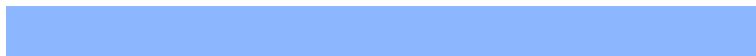
70.2404, 0.3085, 0.2624

# Complementary

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



70.2404, 0.3985, 0.4026



46.6618, 0.2365, 0.2409

# 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.



70.2404, 0.2619, 0.2489



70.2404, 0.3985, 0.4026



70.2404, 0.2207, 0.2778

# Square

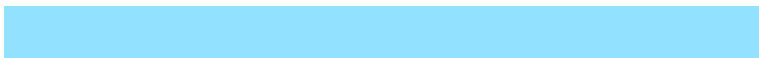
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.2404, 0.3985, 0.4026



70.2404, 0.2638, 0.3715



70.2404, 0.2312, 0.2534



70.2404, 0.3600, 0.2904



# Rectangle

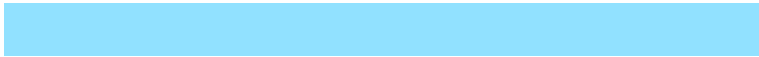
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.2404, 0.3985, 0.4026



70.2404, 0.3272, 0.4175



70.2404, 0.2312, 0.2534



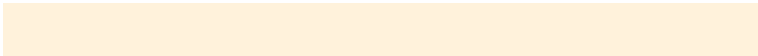
70.2404, 0.2917, 0.2561

# Sweetspot

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



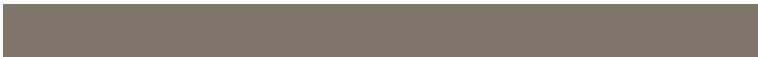
70.2379, 0.3985, 0.4026



89.6867, 0.3356, 0.3511



43.4787, 0.3864, 0.2834



18.8753, 0.3394, 0.3547



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.



70.2379, 0.3985, 0.4026



65.5040, 0.4186, 0.4158



92.2168, 0.3705, 0.4439



19.8822, 0.3279, 0.3439



24.4780, 0.5046, 0.4375



2.5932, 0.4923, 0.4473

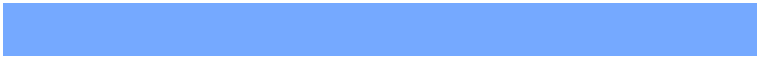


# Inverse Universe

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



46.6618, 0.2365, 0.2409



39.3210, 0.2211, 0.2197



32.7871, 0.2360, 0.1904



18.4905, 0.2979, 0.3137



8.3449, 0.1662, 0.1184



1.0140, 0.1725, 0.1408



# Previews

## White Background



This preview shows how the Yxy color 70.2404, 0.3985, 0.4026 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 70.2404, 0.3985, 0.4026 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 70.2404, 0.3985, 0.4026**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.2404, 0.3985, 0.4026.



This preview shows how white text looks on a background with the Yxy color 70.2404, 0.3985, 0.4026.

# 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

70.2404, 0.3985, 0.4026

### Protanopia

70.1305, 0.3794, 0.4097

### Deuteranopia

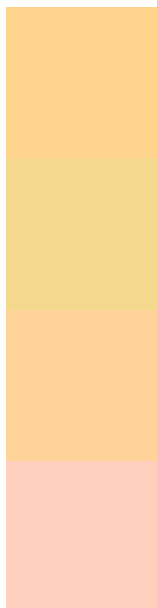
70.3866, 0.3844, 0.3818



## Tritanopia

69.9846, 0.3418, 0.3159

# Trichromacy



## Original Color

70.2404, 0.3985, 0.4026

## Protanomaly

70.2978, 0.3865, 0.4071

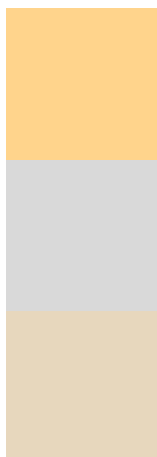
## Deuteranomaly

70.1484, 0.3896, 0.3888

## Tritanomaly

70.0895, 0.3626, 0.3477

# Monochromacy



## Original Color

70.2404, 0.3985, 0.4026

## Achromatopsia

69.3872, 0.3127, 0.3290

## Achromatomaly

69.2639, 0.3430, 0.3576

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.2404, 0.3985, 0.4026 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, 140)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 140)  
}
```

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, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 140) }
```

## Border

The CSS property to change the border of an element to Yxy 70.2404, 0.3985, 0.4026 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, 140) }
```

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

```
.border{ border-color:rgb(255, 212, 140) }
```

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, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 140);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
140) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.2404, 0.3985, 0.4026 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, 140) }
```

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

```
.background{ background-color: rgb(255,  
212, 140) }
```

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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