

# Converting Colors

$Yxy(70.1486, 0.4004, 0.4054)$

Have a look what the booklet for  
Yxy(70.1486, 0.4004, 0.4054)  
contains.

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# Color

**Yxy(70.1531, 0.4006, 0.4055)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD489
RGB	255, 212, 137
RGB Percent	100%, 83%, 54%
CMY	0.0000, 0.1686, 0.4628
CMYK	0.00, 0.17, 0.46, 0.00
HSL	38°, 100%, 77%
HSV	38°, 46%, 100%
XYZ	69.3054, 70.1531, 33.5455
YIQ	216.3070, 49.7030, -14.2090

# Conversions

## Conversions Part 2

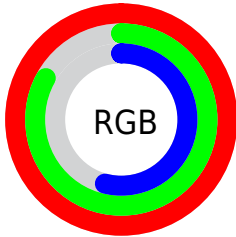
Format	Color
R <sub>Y</sub> B	205, 255, 137
Decimal	16766089
CIE Lab	87.07, 5.76, 42.63
CIE LCh	87, 43.018, 82.306
Yxy	70.1531, 0.4006, 0.4055
Android (android.graphics.Color)	4294956169 (0xFFFFD489)
YUV	216.3070, -39.0984, 33.9338
Hunter-Lab	83.7574, 1.1249, 34.8841

# Details

The Yxy color **70.1531, 0.4006, 0.4055** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **45.1708, 0.2341, 0.2367**, and the grayscale version is **69.1320, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5416, 0.3508, 0.3919**, and **36.8614, 0.4190, 0.4212** is the 20% darker color. If you saturate the color by 10%, you get **64.9912, 0.4229, 0.4201**, and if you desaturate by 10%, it is **75.7508, 0.3789, 0.3892**.

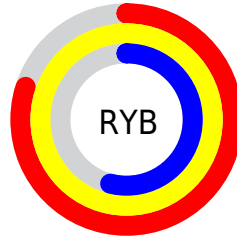
# Distribution



Red (100%)

Green (83%)

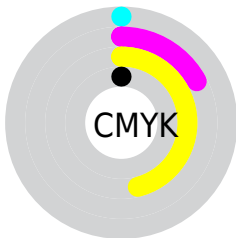
Blue (54%)



Red (80%)

Yellow (100%)

Blue (54%)

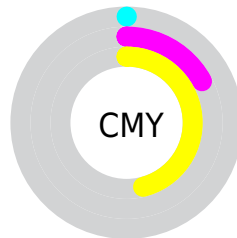


Cyan (0%)

Magenta (17%)

Yellow (46%)

Black (0%)



Cyan (0%)

Magenta (17%)


Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.1531, 0.4006, 0.4055 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 70.1531, 0.4006, 0.4055 by changing the saturation by 10% instead.





 70.1531, 0.4006,  
0.4055


 70.1531, 0.4006,  
0.4055

461.0874, 0.3604,  
0.3715

 51.6514, 0.4094,  
0.4127


 119.4271, 0.3869,  
0.3941

 36.7273, 0.4199,  
0.4212


 150.9681, 0.3815,  
0.3895

 24.9964, 0.4328,  
0.4312


 187.6243, 0.3768,  
0.3856

 16.0744, 0.4485,  
0.4431

229.7801, 0.3727,  
0.3821

 9.5768, 0.4676,  
0.4566

277.8199, 0.3691,  
0.3789

 5.1193, 0.4968,  
0.4769

332.1282, 0.3659,

 2.3174, 0.5170,

0.3762

0.4830

393.0892, 0.3630,  
0.3737

0.7829, 0.5307,  
0.4693

0.0000, 0.0000,  
0.0000

70.1531, 0.4006,  
0.4055

70.1531, 0.4006,  
0.4055

64.9912, 0.4229,  
0.4201

75.7508, 0.3789,  
0.3892

60.2550, 0.4450,  
0.4320

81.8065, 0.3584,  
0.3722

55.9235, 0.4658,  
0.4397

88.3324, 0.3396,  
0.3553

51.9758, 0.4840,  
0.4426

95.3421, 0.3225,  
0.3389

■ 48.3866, 0.4988, 100.0000, 0.3127,  
0.4401 0.3290

■ 47.1316, 0.5037,  
0.4382

# Harmonies

## Analogous

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



70.1531, 0.4176, 0.3697



70.1531, 0.4006, 0.4055



70.1531, 0.3602, 0.4240

# Triad

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



70.1531, 0.4006, 0.4055



70.1531, 0.2288, 0.3190



70.1531, 0.3094, 0.2609

# Complementary

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



70.1531, 0.4006, 0.4055



45.1708, 0.2341, 0.2367

# 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.



70.1531, 0.2612, 0.2466



70.1531, 0.4006, 0.4055



70.1531, 0.2178, 0.2752

# Square

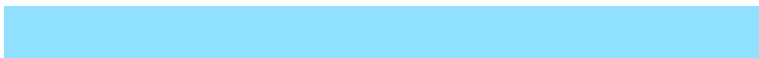
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.1531, 0.4006, 0.4055



70.1531, 0.2612, 0.3719



70.1531, 0.2291, 0.2507



70.1531, 0.3627, 0.2899



# Rectangle

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



70.1531, 0.4006, 0.4055



70.1531, 0.3264, 0.4204



70.1531, 0.2291, 0.2507



70.1531, 0.2920, 0.2542

# Sweetspot

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



70.1509, 0.4006, 0.4055



89.8900, 0.3355, 0.3515



42.4503, 0.3914, 0.2843



18.9250, 0.3394, 0.3551



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.



70.1509, 0.4006, 0.4055



65.1316, 0.4223, 0.4198



91.7221, 0.3705, 0.4473



19.9124, 0.3278, 0.3441



24.9215, 0.5020, 0.4396



2.6346, 0.4900, 0.4491



# Inverse Universe

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



45.1708, 0.2341, 0.2367



37.3115, 0.2173, 0.2130



31.8492, 0.2350, 0.1867



18.4613, 0.2979, 0.3135



8.1135, 0.1655, 0.1157



0.9892, 0.1717, 0.1382



# Previews

## White Background



This preview shows how the Yxy color 70.1531, 0.4006, 0.4055 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 70.1531, 0.4006, 0.4055 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 70.1531, 0.4006, 0.4055**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.1531, 0.4006, 0.4055.



This preview shows how white text looks on a background with the Yxy color 70.1531, 0.4006, 0.4055.

# 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

70.1531, 0.4006, 0.4055

### Protanopia

70.1840, 0.3829, 0.4135

### Deuteranopia

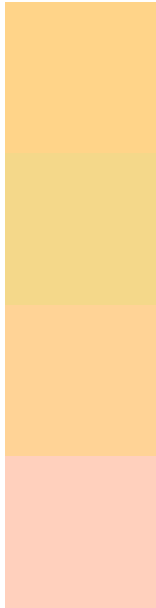
70.3172, 0.3859, 0.3838



## Tritanopia

69.9846, 0.3418, 0.3159

# Trichromacy



**Original Color**

70.1531, 0.4006, 0.4055

**Protanomaly**

70.1798, 0.3892, 0.4111

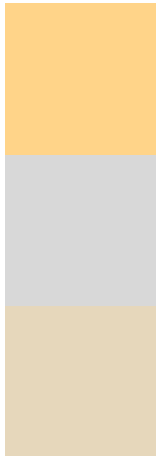
**Deuteranomaly**

70.0505, 0.3918, 0.3918

**Tritanomaly**

70.0459, 0.3634, 0.3488

# Monochromacy



**Original Color**

70.1531, 0.4006, 0.4055

**Achromatopsia**

68.6685, 0.3127, 0.3290

**Achromatomaly**

69.0117, 0.3436, 0.3599

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.1531, 0.4006, 0.4055 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, 137)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 137)  
}
```

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, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 137) }
```

## Border

The CSS property to change the border of an element to Yxy 70.1531, 0.4006, 0.4055 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, 137) }
```

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

```
.border{ border-color:rgb(255, 212, 137) }
```

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, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 137);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
137) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.1531, 0.4006, 0.4055 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, 137) }
```

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

```
.background{ background-color: rgb(255,  
212, 137) }
```

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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