

# Converting Colors

$Yxy(71.8826, 0.4101, 0.4259)$

Have a look what the booklet for  
Yxy(71.8826, 0.4101, 0.4259)  
contains.

<b>Yxy(71.7036, 0.4103, 0.4256)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(71.7036, 0.4103, 0.4256)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD877
RGB	255, 216, 119
RGB Percent	100%, 85%, 47%
CMY	0.0000, 0.1529, 0.5334
CMYK	0.00, 0.15, 0.53, 0.00
HSL	43°, 100%, 73%
HSV	43°, 53%, 100%
XYZ	69.1259, 71.7036, 27.6470
YIQ	216.6030, 54.3810, -21.8990

# Conversions

## Conversions Part 2

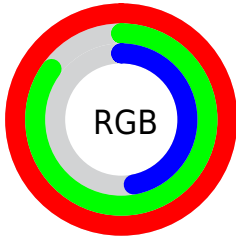
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 255, 119
Decimal	16767095
CIELab	87.83, 2.12, 52.36
CIELCh	88, 52.406, 87.680
Yxy	71.7036, 0.4103, 0.4256
Android (android.graphics.Color)	4294957175 (0xFFFFD877)
YUV	216.6030, -48.1183, 33.6742
Hunter-Lab	84.6780, -2.4700, 39.9167

# Details

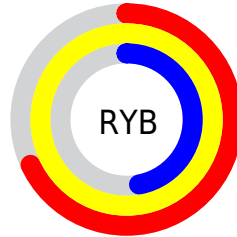
The Yxy color **71.7036, 0.4103, 0.4256** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **35.5913, 0.2190, 0.2058**, and the grayscale version is **69.4109, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7971, 0.3614, 0.4095**, and **37.6307, 0.4307, 0.4437** is the 20% darker color. If you saturate the color by 10%, you get **67.5105, 0.4297, 0.4398**, and if you desaturate by 10%, it is **76.2337, 0.3903, 0.4088**.

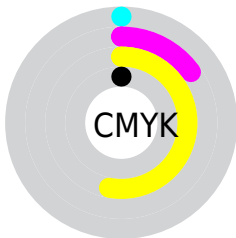
# Distribution



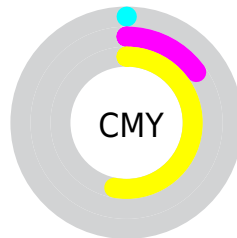
- Red (100%)
- Green (85%)
- Blue (47%)



- Red (68%)
- Yellow (100%)
- Blue (47%)



- Cyan (0%)
- Magenta (15%)
- Yellow (53%)
- Black (0%)




- Cyan (0%)
- Magenta (15%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.7036, 0.4103, 0.4256 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 71.7036, 0.4103, 0.4256 by changing the saturation by 10% instead.





 71.7036, 0.4103,  
0.4256


 71.7036, 0.4103,  
0.4256


466.5093, 0.3668,  
0.3830


 52.9166, 0.4194,  
0.4343

 121.6350, 0.3958,  
0.4115

 37.7362, 0.4300,  
0.4445


 153.5482, 0.3900,  
0.4058

 25.7780, 0.4424,  
0.4563


 190.6056, 0.3849,  
0.4008

 16.6576, 0.4568,  
0.4696

233.1916, 0.3804,  
0.3964

 9.9907, 0.4726,  
0.4839

281.6906, 0.3764,  
0.3925

 5.3928, 0.4957,  
0.5043

336.4869, 0.3729,

 2.4795, 0.4981,

0.3890

0.5019

397.9650, 0.3697,  
0.3859

0.8664, 0.5027,  
0.4973

0.0000, 0.0000,  
0.0000

71.7036, 0.4103,  
0.4256

71.7036, 0.4103,  
0.4256

67.5105, 0.4297,  
0.4398

76.2337, 0.3903,  
0.4088

63.6298, 0.4477,  
0.4503

81.1060, 0.3706,  
0.3905

60.0467, 0.4632,  
0.4562

86.3362, 0.3517,  
0.3716

56.7401, 0.4756,  
0.4570

91.9365, 0.3340,  
0.3529

■ 54.6706, 0.4824,  
0.4552

■ 97.9182, 0.3178,  
0.3348

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



71.7036, 0.4379, 0.3839



71.7036, 0.4103, 0.4256



71.7036, 0.3578, 0.4452

# Triad

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



71.7036, 0.4103, 0.4256



71.7036, 0.2086, 0.3048



71.7036, 0.3197, 0.2534

# Complementary

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



71.7036, 0.4103, 0.4256



35.5913, 0.2190, 0.2058

# 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.



71.7036, 0.2598, 0.2332



71.7036, 0.4103, 0.4256



71.7036, 0.2009, 0.2567

# Square

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



71.7036, 0.4103, 0.4256



71.7036, 0.2419, 0.3697



71.7036, 0.2185, 0.2332



71.7036, 0.3837, 0.2896



# Rectangle

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



71.7036, 0.4103, 0.4256



71.7036, 0.3166, 0.4371



71.7036, 0.2185, 0.2332



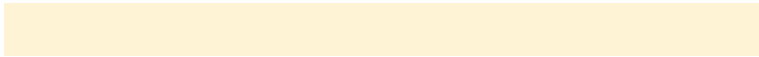
71.7036, 0.2983, 0.2447

# Sweetspot

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



71.7066, 0.4103, 0.4256



90.4075, 0.3386, 0.3578



36.9833, 0.4212, 0.2876



19.1020, 0.3422, 0.3617



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.



71.7066, 0.4103, 0.4256



67.2430, 0.4310, 0.4406



89.3129, 0.3713, 0.4669



20.1589, 0.3276, 0.3459



28.8348, 0.4811, 0.4562



2.9946, 0.4724, 0.4631



# Inverse Universe

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



35.5913, 0.2190, 0.2058



27.8320, 0.2004, 0.1764



26.5413, 0.2271, 0.1650



18.2259, 0.2979, 0.3115



6.4891, 0.1601, 0.0963



0.8090, 0.1661, 0.1180



# Previews

## White Background



This preview shows how the Yxy color 71.7036, 0.4103, 0.4256 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

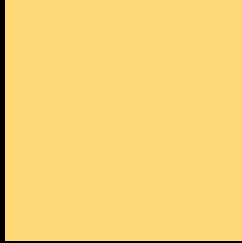
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.7036, 0.4103, 0.4256 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 71.7036, 0.4103, 0.4256**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.7036, 0.4103, 0.4256.



This preview shows how white text looks on a background with the Yxy color 71.7036, 0.4103, 0.4256.

# 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

71.7036, 0.4103, 0.4256

### Protanopia

71.9706, 0.3962, 0.4325

### Deuteranopia

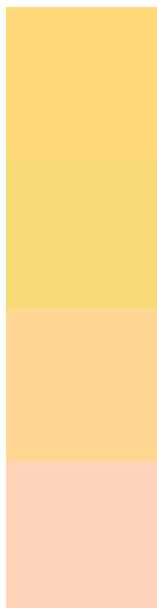
71.4217, 0.3829, 0.3827



## Tritanopia

71.5391, 0.3399, 0.3169

# Trichromacy



## Original Color

71.7036, 0.4103, 0.4256

## Protanomaly

71.7933, 0.4018, 0.4300

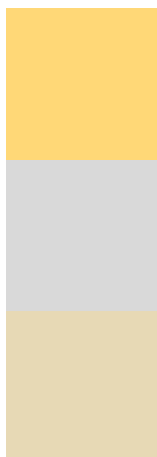
## Deuteranomaly

71.4285, 0.3933, 0.3987

## Tritanomaly

71.2674, 0.3671, 0.3580

# Monochromacy



## Original Color

71.7036, 0.4103, 0.4256

## Achromatopsia

69.3872, 0.3127, 0.3290

## Achromatomaly

69.9508, 0.3483, 0.3686

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.7036, 0.4103, 0.4256 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, 216, 119)` looks like.

```
.text, #text, p{  
    color:rgb(255, 216, 119)  
}
```

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, 216, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 216, 119) }
```

## Border

The CSS property to change the border of an element to Yxy 71.7036, 0.4103, 0.4256 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, 216, 119) }
```

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

```
.border{ border-color:rgb(255, 216, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 216, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 216, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 216, 119);  
box-shadow:4px 4px 4px 4px rgb(255, 216,  
119) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.7036, 0.4103, 0.4256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 216, 119) }
```

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

```
.background{ background-color: rgb(255,  
216, 119) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor