

# Converting Colors

$Yxy(71.6384, 0.4068, 0.4200)$

Have a look what the booklet for  
Yxy(71.6384, 0.4068, 0.4200)  
contains.

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# Color

**Yxy(71.8524, 0.4065, 0.4203)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD87D
RGB	255, 216, 125
RGB Percent	100%, 85%, 49%
CMY	0.0001, 0.1529, 0.5098
CMYK	0.00, 0.15, 0.51, 0.00
HSL	42°, 100%, 75%
HSV	42°, 51%, 100%
XYZ	69.4932, 71.8524, 29.6094
YIQ	217.2870, 52.4550, -20.0330

# Conversions

## Conversions Part 2

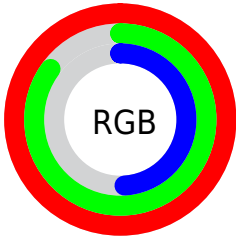
Format	Color
R <sub>Y</sub> B	181, 255, 125
Decimal	16767101
CIE Lab	87.90, 2.61, 49.56
CIE LCh	88, 49.628, 86.989
Yxy	71.8524, 0.4065, 0.4203
Android (android.graphics.Color)	4294957181 (0xFFFFD87D)
YUV	217.2870, -45.4975, 33.0743
Hunter-Lab	84.7658, -2.0012, 38.6256

# Details

The Yxy color **71.8524, 0.4065, 0.4203** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **38.1219, 0.2238, 0.2145**, and the grayscale version is **69.8878, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0347, 0.3579, 0.4037**, and **37.7065, 0.4266, 0.4381** is the 20% darker color. If you saturate the color by 10%, you get **67.4586, 0.4266, 0.4350**, and if you desaturate by 10%, it is **76.6026, 0.3862, 0.4033**.

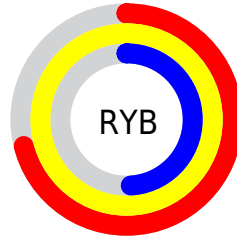
# Distribution



Red (100%)

Green (85%)

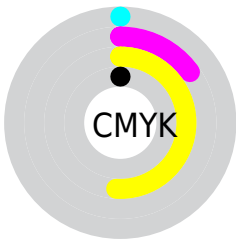
Blue (49%)



Red (71%)

Yellow (100%)

Blue (49%)

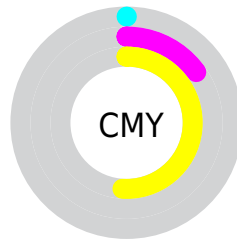


Cyan (0%)

Magenta (15%)

Yellow (51%)

Black (0%)



Cyan (0%)

Magenta (15%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.8524, 0.4065, 0.4203 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 71.8524, 0.4065, 0.4203 by changing the saturation by 10% instead.




 71.8524, 0.4065,  
0.4203

 71.8524, 0.4065,  
0.4203


467.0277, 0.3645,  
0.3799


 53.0381, 0.4154,  
0.4287


 121.8467, 0.3924,  
0.4069

 37.8332, 0.4259,  
0.4385


 153.7954, 0.3868,  
0.4015

 25.8533, 0.4383,  
0.4500


 190.8911, 0.3819,  
0.3967

 16.7139, 0.4529,  
0.4632

233.5182, 0.3775,  
0.3926

 10.0307, 0.4695,  
0.4777

282.0610, 0.3737,  
0.3889

 5.4193, 0.4976,  
0.5024

336.9039, 0.3703,

 2.4953, 0.5006,

0.3856

0.4994

398.4313, 0.3672,  
0.3826

0.8743, 0.5061,  
0.4939

0.0000, 0.0000,  
0.0000

71.8524, 0.4065,  
0.4203

71.8524, 0.4065,  
0.4203

67.4586, 0.4266,  
0.4350

76.6026, 0.3862,  
0.4033

63.3953, 0.4455,  
0.4462

81.7129, 0.3663,  
0.3851

59.6486, 0.4623,  
0.4530

87.1999, 0.3475,  
0.3665

56.1978, 0.4760,  
0.4547

93.0756, 0.3301,  
0.3482

■ 53.3099, 0.4859,  
0.4524

99.3514, 0.3142,  
0.3307

99.9968, 0.3127,  
0.3290

# Harmonies

## Analogous

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



71.8524, 0.4316, 0.3808



71.8524, 0.4065, 0.4203



71.8524, 0.3572, 0.4387

# Triad

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



71.8524, 0.4065, 0.4203



71.8524, 0.2141, 0.3078



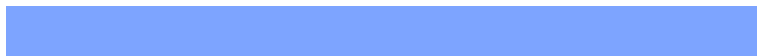
71.8524, 0.3181, 0.2564

# Complementary

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



71.8524, 0.4065, 0.4203



38.1219, 0.2238, 0.2145

# 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.



71.8524, 0.2615, 0.2374



71.8524, 0.4065, 0.4203



71.8524, 0.2061, 0.2614

# Square

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



71.8524, 0.4065, 0.4203



71.8524, 0.2467, 0.3689



71.8524, 0.2224, 0.2381



71.8524, 0.3786, 0.2908



# Rectangle

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



71.8524, 0.4065, 0.4203



71.8524, 0.3182, 0.4313



71.8524, 0.2224, 0.2381



71.8524, 0.2979, 0.2481

# Sweetspot

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



71.8558, 0.4065, 0.4203



90.6766, 0.3369, 0.3555



38.6059, 0.4139, 0.2891



19.1435, 0.3406, 0.3594



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.



71.8558, 0.4065, 0.4203



67.4580, 0.4266, 0.4350



89.6461, 0.3693, 0.4613



20.1171, 0.3277, 0.3456



28.1336, 0.4845, 0.4535



2.9307, 0.4753, 0.4608



# Inverse Universe

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



38.1219, 0.2238, 0.2145



30.4830, 0.2061, 0.1873



28.4671, 0.2316, 0.1729



18.2655, 0.2979, 0.3119



6.7328, 0.1609, 0.0993



0.8369, 0.1670, 0.1212



# Previews

## White Background



This preview shows how the Yxy color 71.8524, 0.4065, 0.4203 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

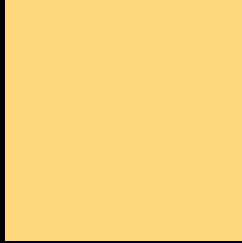
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.8524, 0.4065, 0.4203 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 71.8524, 0.4065, 0.4203**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.8524, 0.4065, 0.4203.



This preview shows how white text looks on a background with the Yxy color 71.8524, 0.4065, 0.4203.

# 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

71.8524, 0.4065, 0.4203

### Protanopia

72.1225, 0.3925, 0.4269

### Deuteranopia

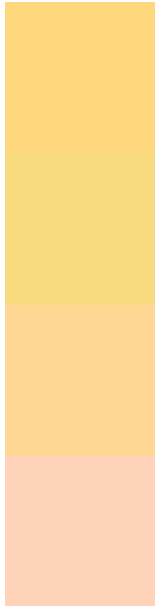
71.9975, 0.3811, 0.3816



## Tritanopia

71.5922, 0.3391, 0.3159

# Trichromacy



**Original Color**

71.8524, 0.4065, 0.4203

**Protanomaly**

71.9436, 0.3980, 0.4245

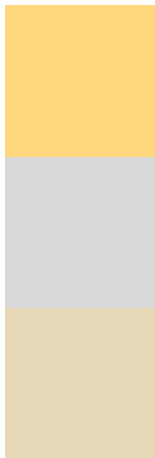
**Deuteranomaly**

72.0308, 0.3908, 0.3967

**Tritanomaly**

71.3937, 0.3649, 0.3549

# Monochromacy



**Original Color**

71.8524, 0.4065, 0.4203

**Achromatopsia**

69.3872, 0.3127, 0.3290

**Achromatomaly**

70.0753, 0.3462, 0.3652

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.8524, 0.4065, 0.4203 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, 125)` looks like.

```
.text, #text, p{  
    color:rgb(255, 216, 125)  
}
```

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, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 216, 125) }
```

## Border

The CSS property to change the border of an element to Yxy 71.8524, 0.4065, 0.4203 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, 125) }
```

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

```
.border{ border-color:rgb(255, 216, 125) }
```

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, 125) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 216, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 216, 125);  
box-shadow:4px 4px 4px 4px rgb(255, 216,  
125) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.8524, 0.4065, 0.4203 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, 125) }
```

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

```
.background{ background-color: rgb(255,  
216, 125) }
```

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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