

# Converting Colors

$Yxy(72.0687, 0.4164, 0.4404)$

Have a look what the booklet for  
Yxy(72.0687, 0.4164, 0.4404)  
contains.

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# Color

**Yxy(72.0249, 0.4163, 0.4405)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDDA68
RGB	253, 218, 104
RGB Percent	99%, 85%, 41%
CMY	0.0080, 0.1450, 0.5921
CMYK	0.00, 0.14, 0.59, 0.01
HSL	46°, 97%, 70%
HSV	46°, 59%, 99%
XYZ	68.0680, 72.0249, 23.4142
YIQ	215.4690, 57.4540, -28.0340

# Conversions

## Conversions Part 2

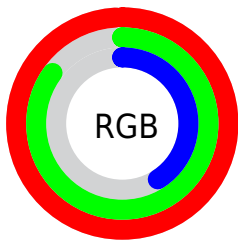
Format	Color
<b>RYB</b>	150, 253, 104
Decimal	16636520
CIELab	87.98, -0.85, 59.45
CIELCh	88, 59.461, 90.821
Yxy	72.0249, 0.4163, 0.4405
Android (android.graphics.Color)	4294826600 (0xFFFDDA68)
YUV	215.4690, -54.9542, 32.9147
Hunter-Lab	84.8675, -5.3520, 43.0496

# Details

The Yxy color **72.0249, 0.4163, 0.4405** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **28.4853, 0.2069, 0.1805**, and the grayscale version is **68.6411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2486, 0.3700, 0.4238**, and **37.7621, 0.4357, 0.4613** is the 20% darker color. If you saturate the color by 10%, you get **68.5658, 0.4331, 0.4536**, and if you desaturate by 10%, it is **75.7552, 0.3982, 0.4241**.

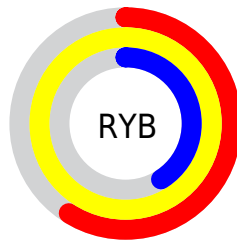
# Distribution



Red (99%)

Green (85%)

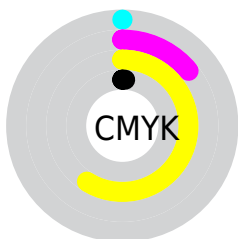
Blue (41%)



Red (59%)

Yellow (99%)

Blue (41%)

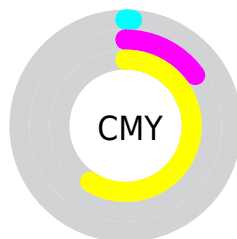


Cyan (0%)

Magenta (14%)

Yellow (59%)

Black (1%)



Cyan (1%)

Magenta (15%)


Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.0249, 0.4163, 0.4405 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 72.0249, 0.4163, 0.4405 by changing the saturation by 10% instead.




 72.0249, 0.4163,  
0.4405


 72.0249, 0.4163,  
0.4405


467.6283, 0.3712,  
0.3917

 53.1790, 0.4253,  
0.4503

 122.0919, 0.4016,  
0.4245


 37.9457, 0.4356,  
0.4615


 154.0819, 0.3956,  
0.4180

 25.9405, 0.4472,  
0.4743


 191.2219, 0.3903,  
0.4123

 16.7792, 0.4597,  
0.4882

 233.8966, 0.3856,  
0.4072

 10.0772, 0.4743,  
0.5046

282.4901, 0.3814,  
0.4027

 5.4502, 0.4839,  
0.5161

337.3870, 0.3776,

 2.5137, 0.4829,

0.3986

0.5171

398.9716, 0.3742,  
0.3950

0.8835, 0.4810,  
0.5190

0.0000, 0.0000,  
0.0000

72.0249, 0.4163,  
0.4405

72.0249, 0.4163,  
0.4405

68.5658, 0.4331,  
0.4536

75.7552, 0.3982,  
0.4241

65.3521, 0.4476,  
0.4625

79.7601, 0.3795,  
0.4055

62.3694, 0.4594,  
0.4665

84.0552, 0.3610,  
0.3857

59.5916, 0.4681,  
0.4660

88.6519, 0.3432,  
0.3656

■ 59.2900, 0.4690,  
0.4658

■ 93.5608, 0.3265,  
0.3459

■ 98.7407, 0.3115,  
0.3277

■ 99.6152, 0.3115,  
0.3290

# Harmonies

## Analogous

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



72.0249, 0.4521, 0.3941



72.0249, 0.4163, 0.4405



72.0249, 0.3550, 0.4613

# Triad

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



72.0249, 0.4163, 0.4405



72.0249, 0.1942, 0.2937



72.0249, 0.3279, 0.2483

# Complementary

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



72.0249, 0.4163, 0.4405



28.4853, 0.2069, 0.1805

# 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.



72.0249, 0.2592, 0.2239



72.0249, 0.4163, 0.4405



72.0249, 0.1891, 0.2431

# Square

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



72.0249, 0.4163, 0.4405



72.0249, 0.2276, 0.3670



72.0249, 0.2112, 0.2209



72.0249, 0.3998, 0.2895



# Rectangle

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



72.0249, 0.4163, 0.4405



72.0249, 0.3086, 0.4496



72.0249, 0.2112, 0.2209



72.0249, 0.3034, 0.2380

# Sweetspot

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



72.0283, 0.4163, 0.4405



90.7099, 0.3417, 0.3639



32.7093, 0.4491, 0.2922



19.1153, 0.3467, 0.3697



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.



72.0283, 0.4163, 0.4405



69.1055, 0.4364, 0.4559



85.7823, 0.3703, 0.4824



20.3258, 0.3275, 0.3471



31.7858, 0.4681, 0.4666



3.2612, 0.4613, 0.4719



# Inverse Universe

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



28.4853, 0.2069, 0.1805



21.2620, 0.1864, 0.1459



22.6775, 0.2219, 0.1493



18.0692, 0.2979, 0.3102



5.6390, 0.1571, 0.0855



0.7077, 0.1627, 0.1058



# Previews

## White Background



This preview shows how the Yxy color 72.0249, 0.4163, 0.4405 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

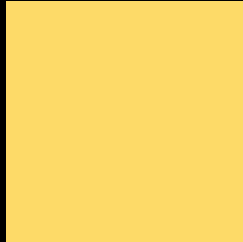
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.0249, 0.4163, 0.4405 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 72.0249, 0.4163, 0.4405**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.0249, 0.4163, 0.4405.



This preview shows how white text looks on a background with the Yxy color 72.0249, 0.4163, 0.4405.

# 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

72.0249, 0.4163, 0.4405

### Protanopia

72.1453, 0.4078, 0.4453

### Deuteranopia

71.8912, 0.3833, 0.3847



## Tritanopia

72.0814, 0.3390, 0.3169

# Trichromacy



## Original Color

72.0249, 0.4163, 0.4405

## Protanomaly

72.1628, 0.4107, 0.4433

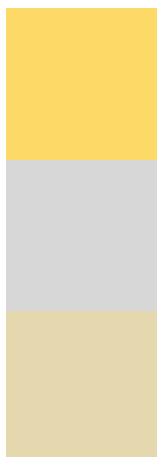
## Deuteranomaly

71.5652, 0.3963, 0.4057

## Tritanomaly

71.3722, 0.3698, 0.3643

# Monochromacy



## Original Color

72.0249, 0.4163, 0.4405

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

68.8649, 0.3513, 0.3744

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.0249, 0.4163, 0.4405 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(253, 218, 104)` looks like.

```
.text, #text, p{  
    color:rgb(253, 218, 104)  
}
```

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(253, 218, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 218, 104) }
```

## Border

The CSS property to change the border of an element to Yxy 72.0249, 0.4163, 0.4405 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(253, 218, 104) }
```

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

```
.border{ border-color:rgb(253, 218, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 218, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 218, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 218, 104);  
box-shadow:4px 4px 4px 4px rgb(253, 218,  
104) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.0249, 0.4163, 0.4405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 218, 104) }
```

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

```
.background{ background-color: rgb(253,  
218, 104) }
```

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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