

# Converting Colors

$Y_{xy}(72.7870, 0.3750, 0.3819)$

Have a look what the booklet for  
Yxy(72.7870, 0.3750, 0.3819)  
contains.

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# Color

**Yxy(72.8881, 0.3747, 0.3821)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBD9A6
RGB	251, 217, 166
RGB Percent	98%, 85%, 65%
CMY	0.0158, 0.1490, 0.3489
CMYK	0.00, 0.14, 0.34, 0.02
HSL	36°, 91%, 82%
HSV	36°, 34%, 98%
XYZ	71.4765, 72.8881, 46.3920
YIQ	221.3520, 36.6350, -8.6530

# Conversions

## Conversions Part 2

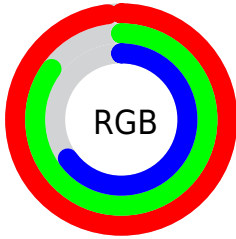
Format	Color
RYB	223, 251, 166
Decimal	16505254
CIELab	88.39, 4.71, 29.49
CIELCh	88, 29.868, 80.926
Yxy	72.8881, 0.3747, 0.3821
Android (android.graphics.Color)	4294695334 (0xFFFB9A6)
YUV	221.3520, -27.2885, 26.0013
Hunter-Lab	85.3745, 0.0368, 27.5443

# Details

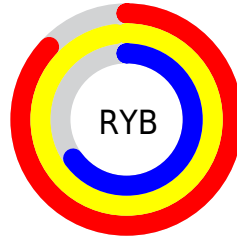
The Yxy color **72.8881, 0.3747, 0.3821** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **56.3833, 0.2568, 0.2692**, and the grayscale version is **72.7451, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0005, 0.3327, 0.3621**, and **38.3930, 0.3885, 0.3931** is the 20% darker color. If you saturate the color by 10%, you get **67.0403, 0.3969, 0.3978**, and if you desaturate by 10%, it is **79.2371, 0.3541, 0.3659**.

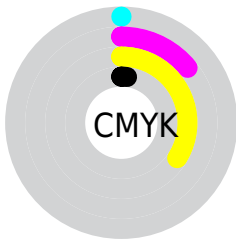
# Distribution



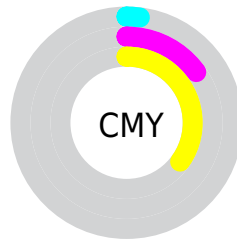
- Red (98%)
- Green (85%)
- Blue (65%)



- Red (87%)
- Yellow (98%)
- Blue (65%)



- Cyan (0%)
- Magenta (14%)
- Yellow (34%)
- Black (2%)



- Cyan (2%)
- Magenta (15%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.8881, 0.3747, 0.3821 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 72.8881, 0.3747, 0.3821 by changing the saturation by 10% instead.




 72.8881, 0.3747,  
0.3821


 72.8881, 0.3747,  
0.3821

470.6269, 0.3461,  
0.3581

 53.8845, 0.3811,  
0.3874

 123.3183, 0.3649,  
0.3739

 38.5093, 0.3890,  
0.3937


 155.5137, 0.3610,  
0.3707

 26.3782, 0.3988,  
0.4016


192.8752, 0.3577,  
0.3679

 17.1068, 0.4112,  
0.4114

235.7871, 0.3548,  
0.3655

 10.3107, 0.4276,  
0.4238

284.6338, 0.3522,  
0.3633

 5.6054, 0.4494,  
0.4395

339.7997, 0.3500,

 2.6067, 0.4963,

0.3614

0.4754

401.6693, 0.3479,  
0.3596

■ 0.9300, 0.5202,  
0.4798

■ 0.0000, 0.0000,  
0.0000

■ 72.8881, 0.3747,  
0.3821

■ 72.8881, 0.3747,  
0.3821

■ 67.0403, 0.3969,  
0.3978

■ 79.2371, 0.3541,  
0.3659

■ 61.6674, 0.4203,  
0.4122

■ 86.0922, 0.3354,  
0.3500

■ 56.7557, 0.4439,  
0.4241

■ 93.4710, 0.3187,  
0.3347

■ 52.2862, 0.4667,  
0.4323

■ 99.2457, 0.3102,  
0.3290

■ 48.2377, 0.4873,  
0.4357

■ 44.5856, 0.5047,  
0.4337

■ 42.5162, 0.5138,  
0.4302

# Harmonies

## Analogous

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



72.8881, 0.3846, 0.3578



72.8881, 0.3747, 0.3821



72.8881, 0.3480, 0.3935

# Triad

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



72.8881, 0.3747, 0.3821



72.8881, 0.2548, 0.3248



72.8881, 0.3093, 0.2799

# Complementary

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



72.8881, 0.3747, 0.3821



56.3833, 0.2568, 0.2692

# 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.



72.8881, 0.2758, 0.2705



72.8881, 0.3747, 0.3821



72.8881, 0.2457, 0.2939

# Square

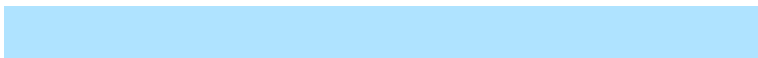
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.8881, 0.3747, 0.3821



72.8881, 0.2789, 0.3596



72.8881, 0.2532, 0.2749



72.8881, 0.3457, 0.3006



# Rectangle

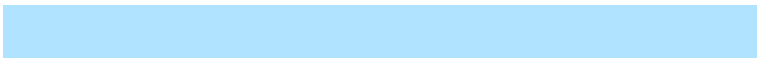
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.8881, 0.3747, 0.3821



72.8881, 0.3249, 0.3906



72.8881, 0.2532, 0.2749



72.8881, 0.2974, 0.2753

# Sweetspot

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



72.8915, 0.3747, 0.3821



92.1308, 0.3288, 0.3440



51.9601, 0.3605, 0.2934



19.4926, 0.3312, 0.3462



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.



72.8915, 0.3747, 0.3821



71.1618, 0.3905, 0.3935



90.7002, 0.3580, 0.4154



18.9580, 0.3279, 0.3432



22.6449, 0.5119, 0.4318



2.3047, 0.4978, 0.4430



# Inverse Universe

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



56.3833, 0.2568, 0.2692



51.5593, 0.2443, 0.2538



43.3068, 0.2573, 0.2292



17.7821, 0.2979, 0.3144



8.7556, 0.1683, 0.1260



1.0120, 0.1749, 0.1494



# Previews

## White Background



This preview shows how the Yxy color 72.8881, 0.3747, 0.3821 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 72.8881, 0.3747, 0.3821 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 72.8881, 0.3747, 0.3821**

## Background



This preview shows how black text looks on a background with the Yxy color 72.8881, 0.3747, 0.3821.

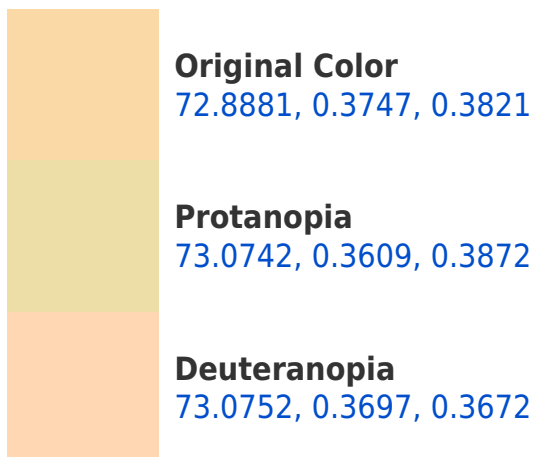


This preview shows how white text looks on a background with the Yxy color 72.8881, 0.3747, 0.3821.

# 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

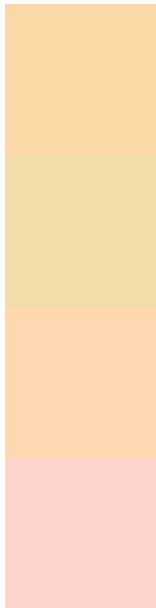




## Tritanopia

72.7894, 0.3359, 0.3140

# Trichromacy



**Original Color**

72.8881, 0.3747, 0.3821

**Protanomaly**

72.8537, 0.3660, 0.3854

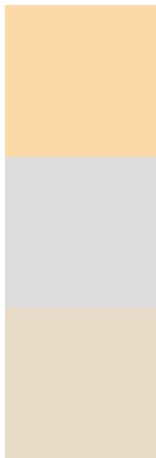
**Deuteranomaly**

73.2386, 0.3716, 0.3725

**Tritanomaly**

73.0190, 0.3501, 0.3383

# Monochromacy



**Original Color**

72.8881, 0.3747, 0.3821

**Achromatopsia**

72.3055, 0.3127, 0.3290

**Achromatomaly**

72.5593, 0.3344, 0.3496

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.8881, 0.3747, 0.3821 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(251, 217, 166)` looks like.

```
.text, #text, p{  
    color:rgb(251, 217, 166)  
}
```

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(251, 217, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 217, 166) }
```

## Border

The CSS property to change the border of an element to Yxy 72.8881, 0.3747, 0.3821 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(251, 217, 166) }
```

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

```
.border{ border-color:rgb(251, 217, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 217, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 217, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 217, 166);  
box-shadow:4px 4px 4px 4px rgb(251, 217,  
166) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 72.8881, 0.3747, 0.3821$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 217, 166) }
```

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

```
.background{ background-color: rgb(251,  
217, 166) }
```

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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