

# Converting Colors

$Y_{xy}(108.4125, 0.4690, 0.3498)$

Have a look what the booklet for  
Yxy(108.4125, 0.4690, 0.3498)  
contains.

<b>Yxy(71.1032, 0.3702, 0.3622)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(71.1032, 0.3702, 0.3622)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD3B3
RGB	255, 211, 179
RGB Percent	100%, 83%, 70%
CMY	0.0000, 0.1725, 0.2981
CMYK	0.00, 0.17, 0.30, 0.00
HSL	25°, 100%, 85%
HSV	25°, 30%, 100%
XYZ	72.6737, 71.1032, 52.5323
YIQ	220.5080, 36.4960, -0.6240

# Conversions

## Conversions Part 2

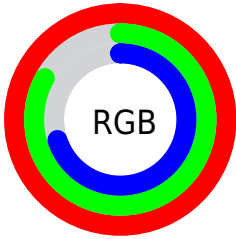
Format	Color
R <sub>Y</sub> B	255, 234, 179
Decimal	16765875
CIE Lab	87.54, 10.94, 21.65
CIE LCh	88, 24.253, 63.191
Yxy	71.1032, 0.3702, 0.3622
Android (android.graphics.Color)	4294955955 (0xFFFFD3B3)
YUV	220.5080, -20.4634, 30.2495
Hunter-Lab	84.3227, 6.2758, 22.0887

# Details

The Yxy color **71.1032, 0.3702, 0.3622** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **69.5675, 0.2656, 0.2932**, and the grayscale version is **72.0690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7782, 0.3244, 0.3483**, and **37.1536, 0.3841, 0.3689** is the 20% darker color. If you saturate the color by 10%, you get **63.1653, 0.3954, 0.3737**, and if you desaturate by 10%, it is **79.9059, 0.3481, 0.3506**.

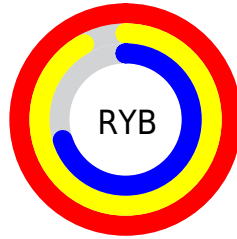
# Distribution



Red (100%)

Green (83%)

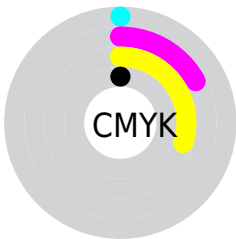
Blue (70%)



Red (100%)

Yellow (92%)

Blue (70%)

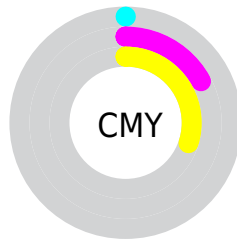


Cyan (0%)

Magenta (17%)

Yellow (30%)

Black (0%)



Cyan (0%)

Magenta (17%)


Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.1032, 0.3702, 0.3622 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 71.1032, 0.3702, 0.3622 by changing the saturation by 10% instead.





 71.1032, 0.3702,  
0.3622

 71.1032, 0.3702,  
0.3622


464.4141, 0.3433,  
0.3474

 52.4264, 0.3764,  
0.3654


 120.7807, 0.3608,  
0.3572

 37.3451, 0.3840,  
0.3693


152.5501, 0.3572,  
0.3552

 25.4748, 0.3936,  
0.3741


189.4526, 0.3541,  
0.3535

 16.4311, 0.4062,  
0.3800

231.8725, 0.3514,  
0.3519

 9.8297, 0.4232,  
0.3875

280.1942, 0.3490,  
0.3506

 5.2862, 0.4472,  
0.3970

334.8021, 0.3469,

 2.4162, 0.4865,

0.3494

0.4113

396.0806, 0.3450,  
0.3483

0.8342, 0.5640,  
0.4360

0.0000, 1.0000,  
0.0000

71.1032, 0.3702,  
0.3622

71.1032, 0.3702,  
0.3622

63.1653, 0.3954,  
0.3737

79.9059, 0.3481,  
0.3506

56.0627, 0.4236,  
0.3845

89.5995, 0.3289,  
0.3394

49.7653, 0.4541,  
0.3935

100.0000, 0.3127,  
0.3290

44.2406, 0.4857,  
0.3994

■ 39.4530, 0.5165,  
0.4009

■ 35.3633, 0.5440,  
0.3971

■ 31.9202, 0.5665,  
0.3883

■ 31.8603, 0.5669,  
0.3881

# Harmonies

## Analogous

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



71.1032, 0.3682, 0.3390



71.1032, 0.3702, 0.3622



71.1032, 0.3561, 0.3781

# Triad

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



71.1032, 0.3702, 0.3622



71.1032, 0.2756, 0.3427



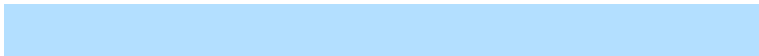
71.1032, 0.2930, 0.2823

# Complementary

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



71.1032, 0.3702, 0.3622



69.5675, 0.2656, 0.2932

# 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.



71.1032, 0.2699, 0.2814



71.1032, 0.3702, 0.3622



71.1032, 0.2602, 0.3148

# Square

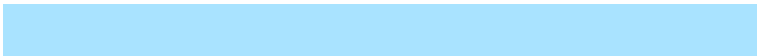
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.1032, 0.3702, 0.3622



71.1032, 0.3011, 0.3677



71.1032, 0.2582, 0.2926



71.1032, 0.3225, 0.2944



# Rectangle

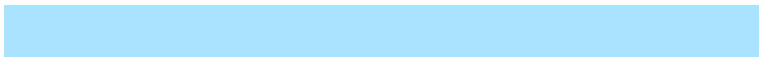
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.1032, 0.3702, 0.3622



71.1032, 0.3399, 0.3816



71.1032, 0.2582, 0.2926



71.1032, 0.2843, 0.2807

# Sweetspot

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



71.1035, 0.3702, 0.3622



90.4247, 0.3275, 0.3385



58.8391, 0.3413, 0.2839



19.0383, 0.3301, 0.3401



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.



71.1035, 0.3702, 0.3622



66.0899, 0.3854, 0.3694



92.0587, 0.3596, 0.3981



19.2445, 0.3284, 0.3391



16.9277, 0.5640, 0.3904

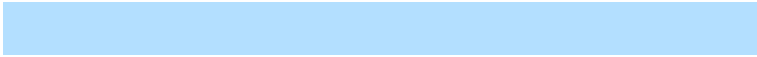


1.8587, 0.5438, 0.4064

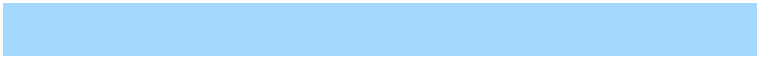


# Inverse Universe

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



69.5675, 0.2656, 0.2932



64.3106, 0.2558, 0.2844



51.6332, 0.2606, 0.2489



19.1242, 0.2979, 0.3187



15.0751, 0.1846, 0.1845

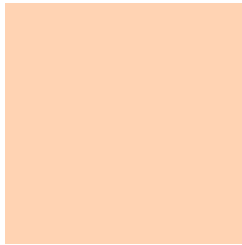


1.6841, 0.1896, 0.2025



# Previews

## White Background



This preview shows how the Yxy color 71.1032, 0.3702, 0.3622 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 71.1032, 0.3702, 0.3622 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

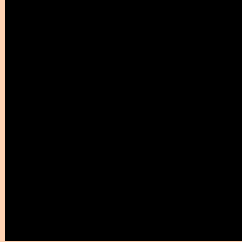
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.1032, 0.3702, 0.3622**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.1032, 0.3702, 0.3622.



This preview shows how white text looks on a background with the Yxy color 71.1032, 0.3702, 0.3622.

# 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

71.1032, 0.3702, 0.3622

### Protanopia

71.2377, 0.3472, 0.3683

### Deuteranopia

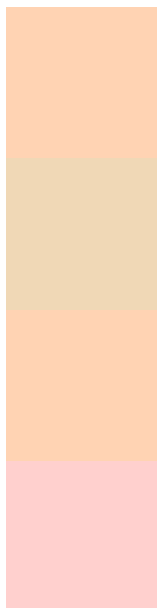
71.1032, 0.3702, 0.3622



## Tritanopia

71.1061, 0.3392, 0.3149

# Trichromacy



## Original Color

71.1032, 0.3702, 0.3622

## Protanomaly

71.0144, 0.3548, 0.3655

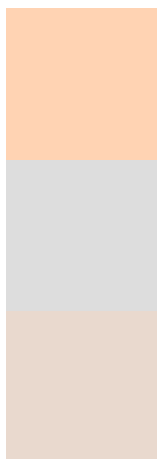
## Deuteranomaly

71.1032, 0.3702, 0.3622

## Tritanomaly

70.8280, 0.3504, 0.3312

# Monochromacy



## Original Color

71.1032, 0.3702, 0.3622

## Achromatopsia

72.3055, 0.3127, 0.3290

## Achromatomaly

71.4056, 0.3321, 0.3409

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.1032, 0.3702, 0.3622 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, 211, 179)` looks like.

```
.text, #text, p{  
    color:rgb(255, 211, 179)  
}
```

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, 211, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 211, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 71.1032, 0.3702, 0.3622 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, 211, 179) }
```

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

```
.border{ border-color:rgb(255, 211, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 211, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 211, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 211, 179);  
box-shadow:4px 4px 4px 4px rgb(255, 211,  
179) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.1032, 0.3702, 0.3622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 211, 179) }
```

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

```
.background{ background-color: rgb(255,  
211, 179) }
```

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