

# Converting Colors

$Y_{xy}(72.9004, 0.3721, 0.3704)$

Have a look what the booklet for  
Yxy(72.9004, 0.3721, 0.3704)  
contains.

<b>Yxy(72.9560, 0.3719, 0.3703)</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(72.9560, 0.3719, 0.3703)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD7AF
RGB	255, 215, 175
RGB Percent	100%, 84%, 69%
CMY	0.0001, 0.1568, 0.3136
CMYK	0.00, 0.16, 0.31, 0.00
HSL	30°, 100%, 84%
HSV	30°, 31%, 100%
XYZ	73.2712, 72.9560, 50.7914
YIQ	222.4000, 36.6800, -3.9600

# Conversions

## Conversions Part 2

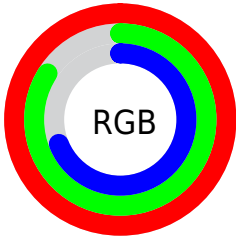
Format	Color
<a href="#">RYB</a>	<a href="#">255, 255, 175</a>
Decimal	<a href="#">16766895</a>
CIELab	<a href="#">88.43, 8.35, 24.94</a>
CIElCh	<a href="#">88, 26.295, 71.497</a>
Yxy	<a href="#">72.9560, 0.3719, 0.3703</a>
Android (android.graphics.Color)	<a href="#">4294956975 (0xFFFFD7AF)</a>
YUV	<a href="#">222.4000, -23.3682, 28.5902</a>
Hunter-Lab	<a href="#">85.4143, 3.6483, 24.5333</a>

# Details

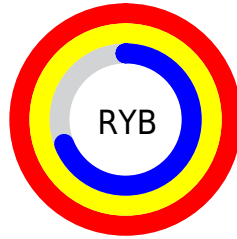
The Yxy color **72.9560, 0.3719, 0.3703** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **64.9251, 0.2622, 0.2836**, and the grayscale version is **73.4948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5495, 0.3268, 0.3522**, and **38.4171, 0.3861, 0.3793** is the 20% darker color. If you saturate the color by 10%, you get **65.8107, 0.3959, 0.3838**, and if you desaturate by 10%, it is **80.8027, 0.3504, 0.3566**.

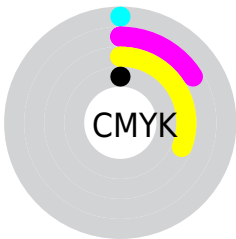
# Distribution



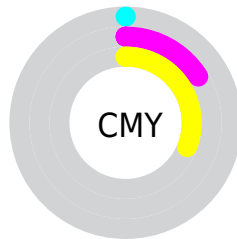
- Red (100%)
- Green (84%)
- Blue (69%)



- Red (100%)
- Yellow (100%)
- Blue (69%)



- Cyan (0%)
- Magenta (16%)
- Yellow (31%)
- Black (0%)




- Cyan (0%)
- Magenta (16%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.9560, 0.3719, 0.3703 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 72.9560, 0.3719, 0.3703 by changing the saturation by 10% instead.




 72.9560, 0.3719,  
0.3703

 72.9560, 0.3719,  
0.3703


470.8623, 0.3445,  
0.3518

 53.9400, 0.3781,  
0.3743


 123.4147, 0.3624,  
0.3640

 38.5537, 0.3858,  
0.3792


155.6263, 0.3587,  
0.3615

 26.4127, 0.3954,  
0.3852


193.0051, 0.3555,  
0.3594

 17.1326, 0.4079,  
0.3927

235.9356, 0.3527,  
0.3575

 10.3291, 0.4245,  
0.4022

284.8021, 0.3503,  
0.3558

 5.6177, 0.4474,  
0.4142

339.9892, 0.3481,


 2.6140, 0.4864,


0.3543

0.4343


401.8811, 0.3462,  
0.3530

 0.9337, 0.5444,  
0.4556

 0.0000, 1.0000,  
0.0000


 72.9560, 0.3719,  
0.3703

 72.9560, 0.3719,  
0.3703


 65.8107, 0.3959,  
0.3838


 80.8027, 0.3504,  
0.3566

 59.3344, 0.4220,  
0.3963

 89.3616, 0.3314,  
0.3433

 53.5072, 0.4496,  
0.4068

 98.6558, 0.3148,  
0.3307

 48.3033, 0.4774,  
0.4139

99.9937, 0.3127,  
0.3290

■ 43.6951, 0.5037,  
0.4163

■ 39.6508, 0.5268,  
0.4133

■ 36.5734, 0.5435,  
0.4066

# Harmonies

## Analogous

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



72.9560, 0.3749, 0.3468



72.9560, 0.3719, 0.3703



72.9560, 0.3526, 0.3842

# Triad

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



72.9560, 0.3719, 0.3703



72.9560, 0.2670, 0.3352



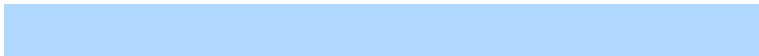
72.9560, 0.2999, 0.2815

# Complementary

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



72.9560, 0.3719, 0.3703



64.9251, 0.2622, 0.2836

# 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.



72.9560, 0.2726, 0.2770



72.9560, 0.3719, 0.3703



72.9560, 0.2543, 0.3060

# Square

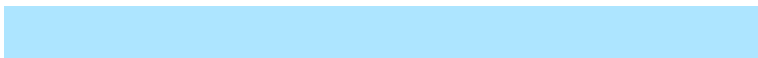
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.9560, 0.3719, 0.3703



72.9560, 0.2918, 0.3642



72.9560, 0.2563, 0.2853



72.9560, 0.3321, 0.2972



# Rectangle

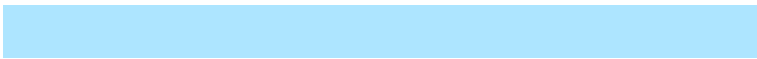
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.9560, 0.3719, 0.3703



72.9560, 0.3335, 0.3851



72.9560, 0.2563, 0.2853



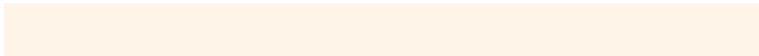
72.9560, 0.2899, 0.2787

# Sweetspot

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



72.9594, 0.3719, 0.3703



91.5082, 0.3273, 0.3403



56.8310, 0.3489, 0.2881



19.3048, 0.3298, 0.3421



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.



72.9594, 0.3719, 0.3703



68.1512, 0.3876, 0.3793



95.8486, 0.3602, 0.4076



19.4885, 0.3282, 0.3409



19.4146, 0.5410, 0.4087

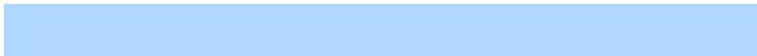


2.1087, 0.5234, 0.4226



# Inverse Universe

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



64.9251, 0.2622, 0.2836



58.8959, 0.2513, 0.2722



47.0063, 0.2566, 0.2362



18.8777, 0.2979, 0.3168



12.0618, 0.1770, 0.1573



1.3928, 0.1828, 0.1779



# Previews

## White Background



This preview shows how the Yxy color 72.9560, 0.3719, 0.3703 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

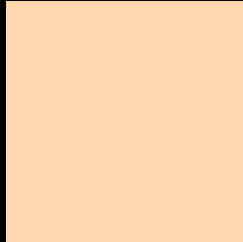
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.9560, 0.3719, 0.3703 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

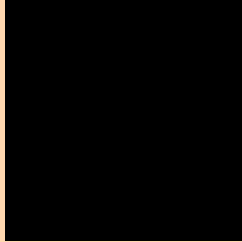
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.9560, 0.3719, 0.3703**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.9560, 0.3719, 0.3703.



This preview shows how white text looks on a background with the Yxy color 72.9560, 0.3719, 0.3703.

# 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

72.9560, 0.3719, 0.3703

### Protanopia

73.2898, 0.3531, 0.3765

### Deuteranopia

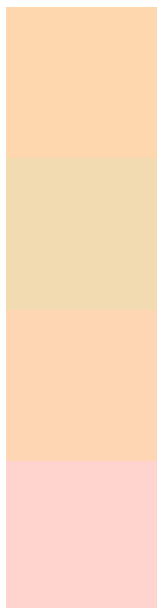
72.7305, 0.3671, 0.3621



## Tritanopia

72.7350, 0.3366, 0.3150

# Trichromacy



## Original Color

72.9560, 0.3719, 0.3703

## Protanomaly

72.8920, 0.3600, 0.3736

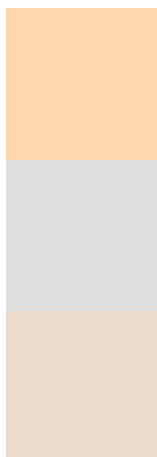
## Deuteranomaly

72.6078, 0.3693, 0.3652

## Tritanomaly

72.8032, 0.3496, 0.3352

# Monochromacy



## Original Color

72.9560, 0.3719, 0.3703

## Achromatopsia

73.0461, 0.3127, 0.3290

## Achromatomaly

72.5632, 0.3332, 0.3441

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.9560, 0.3719, 0.3703 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, 215, 175)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 175)  
}
```

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, 215, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 175) }
```

## Border

The CSS property to change the border of an element to Yxy 72.9560, 0.3719, 0.3703 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, 215, 175) }
```

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

```
.border{ border-color:rgb(255, 215, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 215, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 215, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 215, 175);  
box-shadow:4px 4px 4px 4px rgb(255, 215,  
175) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.9560, 0.3719, 0.3703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 215, 175) }
```

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

```
.background{ background-color: rgb(255,  
215, 175) }
```

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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