

# Converting Colors

$Y_{xy}(71.9570, 0.3627, 0.3532)$

Have a look what the booklet for  
Yxy(71.9570, 0.3627, 0.3532)  
contains.

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# Color

**Yxy(72.0211, 0.3623, 0.3528)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFD4BD
RGB	255, 212, 189
RGB Percent	100%, 83%, 74%
CMY	0.0001, 0.1686, 0.2587
CMYK	0.00, 0.17, 0.26, 0.00
HSL	21°, 100%, 87%
HSV	21°, 26%, 100%
XYZ	73.9604, 72.0211, 58.1599
YIQ	222.2350, 33.0110, 1.9630

# Conversions

## Conversions Part 2

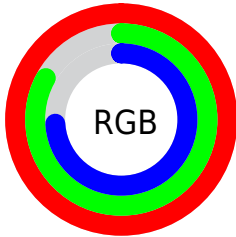
Format	Color
R <sub>Y</sub> B	255, 224, 189
Decimal	16766141
CIE Lab	87.98, 11.71, 17.00
CIE LCh	88, 20.641, 55.441
Yxy	72.0211, 0.3623, 0.3528
Android (android.graphics.Color)	4294956221 (0xFFFFD4BD)
YUV	222.2350, -16.3849, 28.7349
Hunter-Lab	84.8652, 7.0494, 18.7730

# Details

The Yxy color **72.0211, 0.3623, 0.3528** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **75.7345, 0.2724, 0.3039**, and the grayscale version is **73.3230, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3726, 0.3185, 0.3386**, and **37.7618, 0.3736, 0.3570** is the 20% darker color. If you saturate the color by 10%, you get **63.1321, 0.3876, 0.3625**, and if you desaturate by 10%, it is **81.9651, 0.3406, 0.3432**.

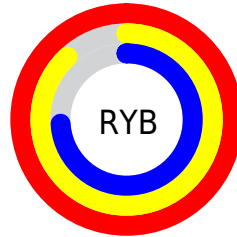
# Distribution



Red (100%)

Green (83%)

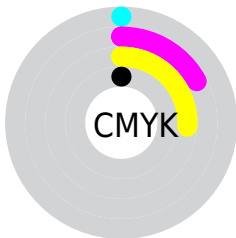
Blue (74%)



Red (100%)

Yellow (88%)

Blue (74%)

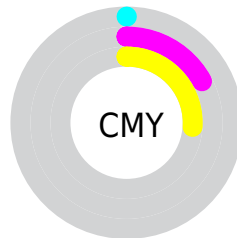


Cyan (0%)

Magenta (17%)

Yellow (26%)

Black (0%)



Cyan (0%)

Magenta (17%)


Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.0211, 0.3623, 0.3528 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 72.0211, 0.3623, 0.3528 by changing the saturation by 10% instead.




 72.0211, 0.3623,  
0.3528

 72.0211, 0.3623,  
0.3528

467.6150, 0.3391,  
0.3422

 53.1759, 0.3676,  
0.3551

 122.0865, 0.3542,  
0.3492

 37.9432, 0.3742,  
0.3579


154.0756, 0.3511,  
0.3478

 25.9386, 0.3826,  
0.3613


191.2147, 0.3484,  
0.3466

 16.7777, 0.3936,  
0.3655

233.8882, 0.3461,  
0.3455

 10.0761, 0.4085,  
0.3709

282.4807, 0.3440,  
0.3445

 5.4495, 0.4299,  
0.3779


337.3763, 0.3422,


 2.5133, 0.4628,


0.3437


0.3866


398.9597, 0.3406,  
0.3429


 0.8833, 0.5674,  
0.4326


 0.0000, 1.0000,  
0.0000


 72.0211, 0.3623,  
0.3528

 72.0211, 0.3623,  
0.3528

 63.1321, 0.3876,  
0.3625


 81.9651, 0.3406,  
0.3432

 55.2525, 0.4165,  
0.3718

 92.9884, 0.3222,  
0.3341

 48.3473, 0.4489,  
0.3798

99.9930, 0.3127,  
0.3290

 42.3761, 0.4836,  
0.3854

■ 37.2947, 0.5186,  
0.3873

■ 33.0550, 0.5510,  
0.3844

■ 29.6025, 0.5777,  
0.3763

■ 28.3833, 0.5871,  
0.3720

# Harmonies

## Analogous

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



72.0211, 0.3569, 0.3323



72.0211, 0.3623, 0.3528



72.0211, 0.3538, 0.3682

# Triad

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



72.0211, 0.3623, 0.3528



72.0211, 0.2862, 0.3467



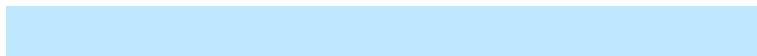
72.0211, 0.2902, 0.2879

# Complementary

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



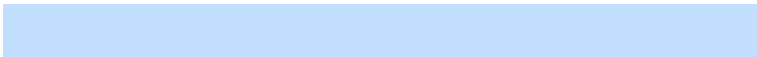
72.0211, 0.3623, 0.3528



75.7345, 0.2724, 0.3039

# 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.



72.0211, 0.2726, 0.2900



72.0211, 0.3623, 0.3528



72.0211, 0.2703, 0.3231

# Square

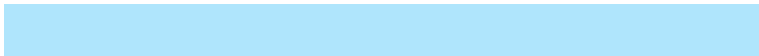
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.0211, 0.3623, 0.3528



72.0211, 0.3094, 0.3656



72.0211, 0.2655, 0.3024



72.0211, 0.3145, 0.2959



# Rectangle

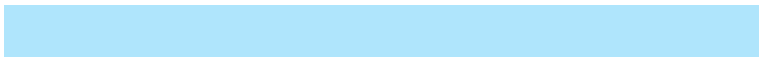
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.0211, 0.3623, 0.3528



72.0211, 0.3416, 0.3730



72.0211, 0.2655, 0.3024



72.0211, 0.2834, 0.2874

# Sweetspot

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



72.0244, 0.3623, 0.3528



90.5693, 0.3259, 0.3360



63.5405, 0.3323, 0.2848



19.0230, 0.3286, 0.3373



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.



72.0244, 0.3623, 0.3528



67.3492, 0.3748, 0.3578



89.6132, 0.3545, 0.3838



19.0230, 0.3286, 0.3373



15.0869, 0.5841, 0.3744

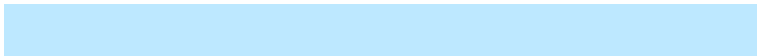


1.6643, 0.5623, 0.3917

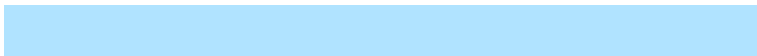


# Inverse Universe

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



75.7345, 0.2724, 0.3039



71.6195, 0.2645, 0.2981



59.3542, 0.2690, 0.2674



19.3525, 0.2980, 0.3205



18.3274, 0.1918, 0.2104

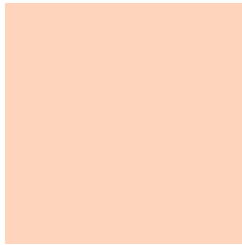


1.9893, 0.1960, 0.2254



# Previews

## White Background



This preview shows how the Yxy color 72.0211, 0.3623, 0.3528 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

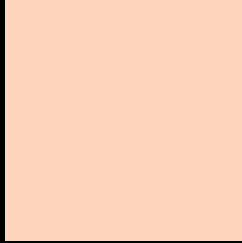
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.0211, 0.3623, 0.3528 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

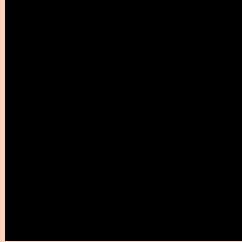
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.0211, 0.3623, 0.3528**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.0211, 0.3623, 0.3528.



This preview shows how white text looks on a background with the Yxy color 72.0211, 0.3623, 0.3528.

# 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

72.0211, 0.3623, 0.3528

### Protanopia

72.0256, 0.3392, 0.3584

### Deuteranopia

72.3335, 0.3613, 0.3539



## Tritanopia

72.1886, 0.3375, 0.3149

# Trichromacy



**Original Color**

72.0211, 0.3623, 0.3528

**Protanomaly**

71.9567, 0.3474, 0.3557

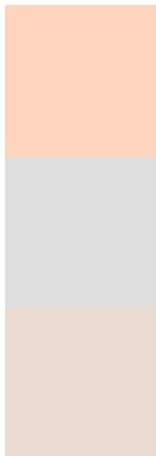
**Deuteranomaly**

72.3335, 0.3613, 0.3539

**Tritanomaly**

72.0563, 0.3462, 0.3281

# Monochromacy



**Original Color**

72.0211, 0.3623, 0.3528

**Achromatopsia**

73.0461, 0.3127, 0.3290

**Achromatomaly**

72.2884, 0.3299, 0.3376

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.0211, 0.3623, 0.3528 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, 212, 189)` looks like.

```
.text, #text, p{  
  color:rgb(255, 212, 189)  
}
```

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, 212, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 72.0211, 0.3623, 0.3528 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, 212, 189) }
```

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

```
.border{ border-color:rgb(255, 212, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 212, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 189);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
189) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.0211, 0.3623, 0.3528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 212, 189) }
```

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

```
.background{ background-color: rgb(255,  
212, 189) }
```

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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