

# Converting Colors

$Y_{xy}(72.8327, 0.3385, 0.3173)$

Have a look what the booklet for  
Yxy(72.8327, 0.3385, 0.3173)  
contains.

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# Color

**Yxy(72.6271, 0.3381, 0.3170)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD2DE
RGB	255, 210, 222
RGB Percent	100%, 82%, 87%
CMY	0.0001, 0.1764, 0.1295
CMYK	0.00, 0.18, 0.13, 0.00
HSL	344°, 100%, 91%
HSV	344°, 18%, 100%
XYZ	77.4613, 72.6271, 79.0192
YIQ	224.8230, 22.9680, 13.2720

# Conversions

## Conversions Part 2

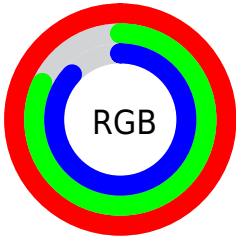
Format	Color
R <sub>Y</sub> B	255, 210, 222
Decimal	16765662
CIE Lab	88.27, 17.60, 0.04
CIE LCh	88, 17.600, 0.146
Yxy	72.6271, 0.3381, 0.3170
Android (android.graphics.Color)	4294955742 (0xFFFFD2DE)
YUV	224.8230, -1.3917, 26.4652
Hunter-Lab	85.2215, 13.1081, 4.6801

# Details

The Yxy color **72.6271, 0.3381, 0.3170** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **91.6826, 0.2924, 0.3414**, and the grayscale version is **75.1587, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.2385, 0.3443, 0.3136** is the 20% darker color. If you saturate the color by 10%, you get **60.0771, 0.3572, 0.3097**, and if you desaturate by 10%, it is **87.3009, 0.3226, 0.3240**.

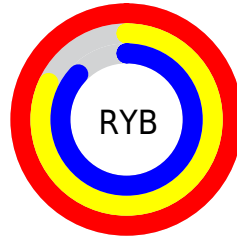
# Distribution



Red (100%)

Green (82%)

Blue (87%)



Red (100%)

Yellow (82%)

Blue (87%)

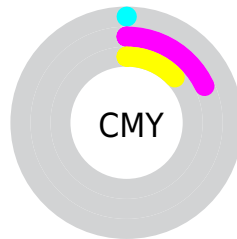


Cyan (0%)

Magenta (18%)

Yellow (13%)

Black (0%)



Cyan (0%)

Magenta (18%)


Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.6271, 0.3381, 0.3170 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 72.6271, 0.3381, 0.3170 by changing the saturation by 10% instead.




 72.6271, 0.3381,  
0.3170

 72.6271, 0.3381,  
0.3170

469.7214, 0.3263,  
0.3226

 53.6711, 0.3408,  
0.3157

122.9477, 0.3340,  
0.3189

 38.3388, 0.3441,  
0.3141


155.0811, 0.3324,  
0.3197

 26.2457, 0.3484,  
0.3121


192.3757, 0.3311,  
0.3203

 17.0076, 0.3539,  
0.3095

235.2160, 0.3299,  
0.3209

 10.2399, 0.3615,  
0.3059

283.9863, 0.3288,  
0.3214

 5.5583, 0.3724,  
0.3007

339.0710, 0.3279,

 2.5784, 0.3897,

0.3218

0.2925

400.8546, 0.3271,  
0.3222

0.9158, 0.4209,  
0.2777

0.0000, 1.0000,  
0.0000

72.6271, 0.3381,  
0.3170

72.6271, 0.3381,  
0.3170

60.0771, 0.3572,  
0.3097

87.3009, 0.3226,  
0.3240

49.5428, 0.3806,  
0.3025

99.9957, 0.3127,  
0.3290

40.9210, 0.4087,  
0.2957

34.0959, 0.4416,  
0.2903

■ 28.9386, 0.4786,  
0.2873

■ 25.3031, 0.5174,  
0.2878

■ 23.0178, 0.5545,  
0.2926

■ 21.8572, 0.5860,  
0.3016

■ 21.6702, 0.5926,  
0.3038

# Harmonies

## Analogous

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



72.6271, 0.3177, 0.3024



72.6271, 0.3381, 0.3170



72.6271, 0.3517, 0.3349

# Triad

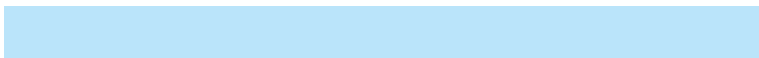
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.6271, 0.3381, 0.3170



72.6271, 0.3280, 0.3662



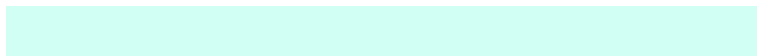
72.6271, 0.2726, 0.3043

# Complementary

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



72.6271, 0.3381, 0.3170



91.6826, 0.2924, 0.3414

# Split Complementary

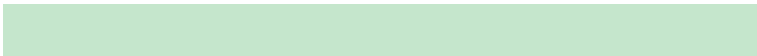
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.6271, 0.2752, 0.3211



72.6271, 0.3381, 0.3170



72.6271, 0.3067, 0.3579

# Square

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



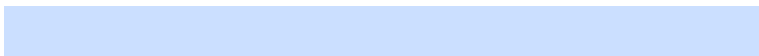
72.6271, 0.3381, 0.3170



72.6271, 0.3456, 0.3637



72.6271, 0.2875, 0.3410



72.6271, 0.2803, 0.2948

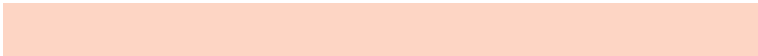


# Rectangle

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



72.6271, 0.3381, 0.3170



72.6271, 0.3549, 0.3466



72.6271, 0.2875, 0.3410



72.6271, 0.2723, 0.3092

# Sweetspot

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



72.6304, 0.3381, 0.3170



91.5448, 0.3190, 0.3257



72.3736, 0.3063, 0.2840



19.3496, 0.3199, 0.3253



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

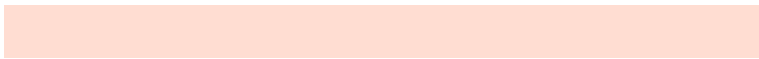
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.6304, 0.3381, 0.3170



68.1848, 0.3441, 0.3146



77.3638, 0.3451, 0.3397



18.0663, 0.3252, 0.3227



11.3463, 0.5885, 0.3016



1.1219, 0.5568, 0.2841



# Inverse Universe

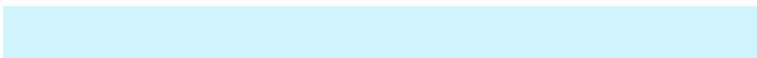
The Inverse Universe completely reimagines the original color for something new.



72.6304, 0.3381, 0.3170



68.1848, 0.3441, 0.3146



85.9177, 0.2855, 0.3180



18.0663, 0.3252, 0.3227



11.3463, 0.5885, 0.3016



1.1219, 0.5568, 0.2841



# Previews

## White Background



This preview shows how the Yxy color 72.6271, 0.3381, 0.3170 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

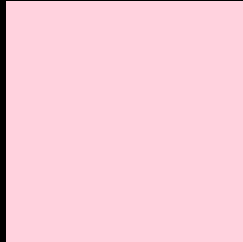
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.6271, 0.3381, 0.3170 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

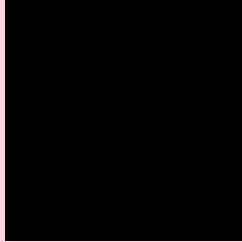
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.6271, 0.3381, 0.3170**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.6271, 0.3381, 0.3170.



This preview shows how white text looks on a background with the Yxy color 72.6271, 0.3381, 0.3170.

# 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

72.6271, 0.3381, 0.3170

### Protanopia

73.1616, 0.3102, 0.3215

### Deuteranopia

72.8760, 0.3292, 0.3228



## Tritanopia

72.8442, 0.3352, 0.3130

# Trichromacy



## Original Color

72.6271, 0.3381, 0.3170

## Protanomaly

72.7789, 0.3197, 0.3196

## Deuteranomaly

72.5831, 0.3324, 0.3208

## Tritanomaly

72.7894, 0.3359, 0.3140

# Monochromacy



## Original Color

72.6271, 0.3381, 0.3170

## Achromatopsia

75.2942, 0.3127, 0.3290

## Achromatomaly

74.4011, 0.3215, 0.3248

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.6271, 0.3381, 0.3170 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, 210, 222)` looks like.

```
.text, #text, p{  
    color:rgb(255, 210, 222)  
}
```

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, 210, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 210, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 72.6271, 0.3381, 0.3170 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, 210, 222) }
```

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

```
.border{ border-color:rgb(255, 210, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 210, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 210, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 210, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 210,  
222) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 72.6271, 0.3381, 0.3170$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 210, 222) }
```

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

```
.background{ background-color: rgb(255,  
210, 222) }
```

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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