

# Converting Colors

$Y_{xy}(82.9830, 0.3854, 0.3338)$

Have a look what the booklet for  
Yxy(82.9830, 0.3854, 0.3338)  
contains.

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# Color

**Yxy(72.8520, 0.3489, 0.3342)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFD4CF
RGB	255, 212, 207
RGB Percent	100%, 83%, 81%
CMY	0.0000, 0.1687, 0.1883
CMYK	0.00, 0.17, 0.19, 0.00
HSL	6°, 100%, 91%
HSV	6°, 19%, 100%
XYZ	76.0564, 72.8520, 69.0808
YIQ	224.2870, 27.2330, 7.5610

# Conversions

## Conversions Part 2

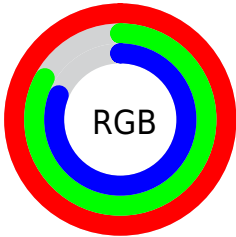
Format	Color
R <sub>Y</sub> B	255, 213, 207
Decimal	16766159
CIE Lab	88.38, 14.30, 8.11
CIE LCh	88, 16.434, 29.552
Yxy	72.8520, 0.3489, 0.3342
Android (android.graphics.Color)	4294956239 (0xFFFFD4CF)
YUV	224.2870, -8.5225, 26.9353
Hunter-Lab	85.3534, 9.6888, 11.7610

# Details

The Yxy color **72.8520, 0.3489, 0.3342** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **88.8584, 0.2841, 0.3237**, and the grayscale version is **74.7996, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.4196, 0.3577, 0.3344** is the 20% darker color. If you saturate the color by 10%, you get **61.0744, 0.3747, 0.3372**, and if you desaturate by 10%, it is **86.4381, 0.3279, 0.3314**.

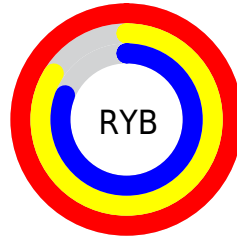
# Distribution



Red (100%)

Green (83%)

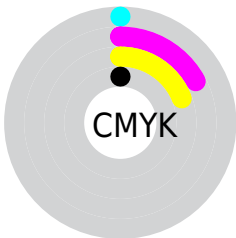
Blue (81%)



Red (100%)

Yellow (84%)

Blue (81%)

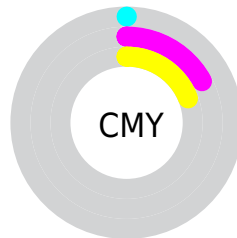


Cyan (0%)

Magenta (17%)

Yellow (19%)

Black (0%)



Cyan (0%)

Magenta (17%)


Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.8520, 0.3489, 0.3342 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 72.8520, 0.3489, 0.3342 by changing the saturation by 10% instead.



 72.8520, 0.3489,  
0.3342

 72.8520, 0.3489,  
0.3342


470.5017, 0.3320,  
0.3320

 53.8550, 0.3528,  
0.3346


123.2671, 0.3430,  
0.3335

 38.4857, 0.3576,  
0.3351

155.4539, 0.3407,  
0.3332

 26.3599, 0.3637,  
0.3357


192.8061, 0.3388,  
0.3330

 17.0931, 0.3718,  
0.3364

235.7081, 0.3371,  
0.3327

 10.3009, 0.3828,  
0.3372

284.5443, 0.3356,  
0.3325

 5.5989, 0.3989,  
0.3381

339.6990, 0.3343,

 2.6028, 0.4242,

0.3324

0.3386

401.5567, 0.3331,  
0.3322

0.9280, 0.4854,  
0.3483

0.0000, 1.0000,  
0.0000

72.8520, 0.3489,  
0.3342

72.8520, 0.3489,  
0.3342

61.0744, 0.3747,  
0.3372

86.4381, 0.3279,  
0.3314

51.0416, 0.4060,  
0.3401

100.0000, 0.3127,  
0.3290

42.6663, 0.4434,  
0.3428

35.8593, 0.4861,  
0.3446

■ 30.5225, 0.5316,  
0.3451

■ 26.5469, 0.5751,  
0.3437

■ 23.8084, 0.6101,  
0.3403

■ 22.1563, 0.6316,  
0.3356

■ 22.0229, 0.6335,  
0.3352

# Harmonies

## Analogous

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



72.8520, 0.3361, 0.3175



72.8520, 0.3489, 0.3342



72.8520, 0.3517, 0.3502

# Triad

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



72.8520, 0.3489, 0.3342



72.8520, 0.3075, 0.3561



72.8520, 0.2822, 0.2972

# Complementary

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



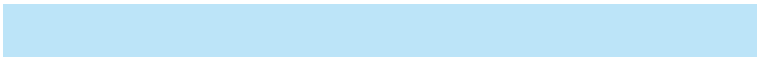
72.8520, 0.3489, 0.3342



88.8584, 0.2841, 0.3237

# 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.



72.8520, 0.2752, 0.3062



72.8520, 0.3489, 0.3342



72.8520, 0.2895, 0.3405

# Square

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



72.8520, 0.3489, 0.3342



72.8520, 0.3273, 0.3637



72.8520, 0.2778, 0.3220



72.8520, 0.2974, 0.2965



# Rectangle

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



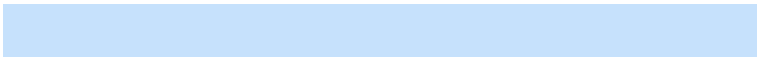
72.8520, 0.3489, 0.3342



72.8520, 0.3474, 0.3584



72.8520, 0.2778, 0.3220



72.8520, 0.2789, 0.2993

# Sweetspot

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



72.8475, 0.3489, 0.3342



90.6173, 0.3227, 0.3306



72.7981, 0.3182, 0.2866



19.1861, 0.3239, 0.3308



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.



72.8475, 0.3489, 0.3342



67.7159, 0.3590, 0.3354



85.6395, 0.3445, 0.3579



18.2911, 0.3292, 0.3315



11.6058, 0.6319, 0.3365



1.2257, 0.6169, 0.3484



# Inverse Universe

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



88.8584, 0.2841, 0.3237



86.6898, 0.2780, 0.3225



74.9848, 0.2826, 0.2983



20.1393, 0.2980, 0.3265



33.0291, 0.2155, 0.2959

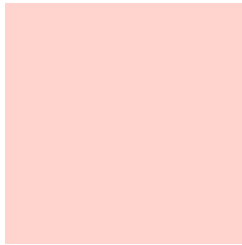


3.3050, 0.2167, 0.3000



# Previews

## White Background



This preview shows how the Yxy color 72.8520, 0.3489, 0.3342 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

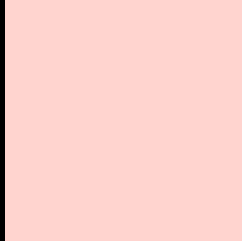
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.8520, 0.3489, 0.3342 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

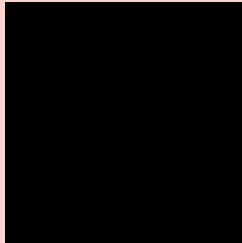
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

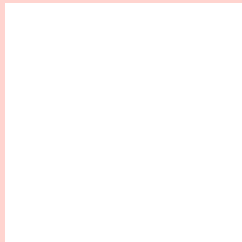
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.8520, 0.3489, 0.3342**

## Background



This preview shows how black text looks on a background with the Yxy color 72.8520, 0.3489, 0.3342.

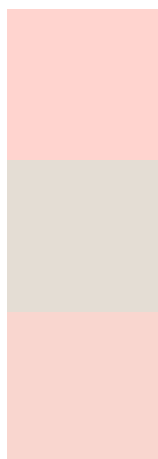


This preview shows how white text looks on a background with the Yxy color 72.8520, 0.3489, 0.3342.

# 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

72.8520, 0.3489, 0.3342

### Protanopia

72.9603, 0.3238, 0.3387

### Deuteranopia

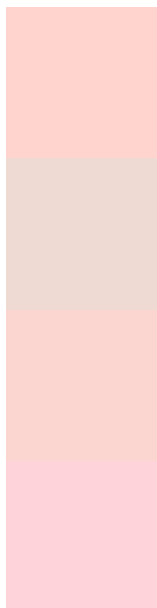
72.7379, 0.3439, 0.3363



## Tritanopia

72.7894, 0.3359, 0.3140

# Trichromacy



## Original Color

72.8520, 0.3489, 0.3342

## Protanomaly

72.9731, 0.3329, 0.3375

## Deuteranomaly

72.6027, 0.3456, 0.3353

## Tritanomaly

72.9105, 0.3409, 0.3220

# Monochromacy



## Original Color

72.8520, 0.3489, 0.3342

## Achromatopsia

74.5404, 0.3127, 0.3290

## Achromatomaly

73.9105, 0.3249, 0.3311

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.8520, 0.3489, 0.3342 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, 207)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 207)  
}
```

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, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 72.8520, 0.3489, 0.3342 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, 207) }
```

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

```
.border{ border-color:rgb(255, 212, 207) }
```

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, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 207);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
207) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 72.8520, 0.3489, 0.3342$  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, 207) }
```

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

```
.background{ background-color: rgb(255,  
212, 207) }
```

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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