

# Converting Colors

$Y_{xy}(72.6540, 0.3530, 0.3358)$

Have a look what the booklet for  
Yxy(72.6540, 0.3530, 0.3358)  
contains.

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# Color

**Yxy(72.2082, 0.3513, 0.3363)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFD3CC
RGB	255, 211, 204
RGB Percent	100%, 83%, 80%
CMY	0.0000, 0.1725, 0.2001
CMYK	0.00, 0.17, 0.20, 0.00
HSL	8°, 100%, 90%
HSV	8°, 20%, 100%
XYZ	75.4289, 72.2082, 67.0765
YIQ	223.3580, 28.4710, 7.1510

# Conversions

## Conversions Part 2

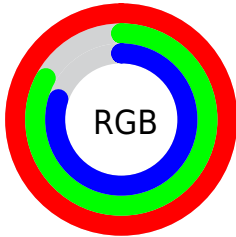
Format	Color
R <sub>Y</sub> B	255, 212, 204
Decimal	16765900
CIE Lab	88.07, 14.34, 9.25
CIE LCh	88, 17.070, 32.821
Yxy	72.2082, 0.3513, 0.3363
Android (android.graphics.Color)	4294955980 (0xFFFFD3CC)
YUV	223.3580, -9.5435, 27.7500
Hunter-Lab	84.9754, 9.7396, 12.6814

# Details

The Yxy color **72.2082, 0.3513, 0.3363** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **87.1654, 0.2822, 0.3216**, and the grayscale version is **74.1145, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.9847, 0.3609, 0.3370** is the 20% darker color. If you saturate the color by 10%, you get **60.8988, 0.3772, 0.3402**, and if you desaturate by 10%, it is **85.2184, 0.3301, 0.3325**.

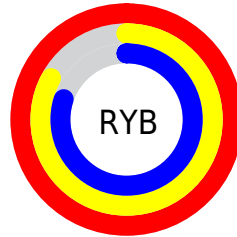
# Distribution



Red (100%)

Green (83%)

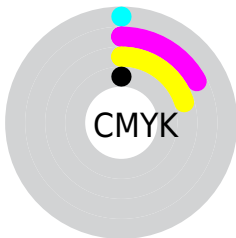
Blue (80%)



Red (100%)

Yellow (83%)

Blue (80%)

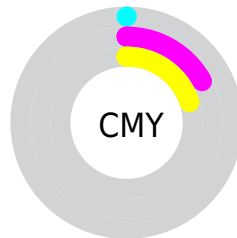


Cyan (0%)

Magenta (17%)

Yellow (20%)

Black (0%)



Cyan (0%)

Magenta (17%)


Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.2082, 0.3513, 0.3363 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 72.2082, 0.3513, 0.3363 by changing the saturation by 10% instead.



 72.2082, 0.3513,  
0.3363

 72.2082, 0.3513,  
0.3363


468.2659, 0.3333,  
0.3332

 53.3288, 0.3555,  
0.3369

122.3525, 0.3450,  
0.3353

 38.0653, 0.3606,  
0.3377

154.3861, 0.3426,  
0.3349

 26.0334, 0.3672,  
0.3386


191.5733, 0.3405,  
0.3345

 16.8486, 0.3758,  
0.3397

234.2984, 0.3387,  
0.3342

 10.1266, 0.3877,  
0.3410

282.9458, 0.3371,  
0.3339

 5.4830, 0.4050,  
0.3425

337.9000, 0.3357,

 2.5333, 0.4323,

0.3336

0.3439

399.5452, 0.3344,  
0.3334

0.8933, 0.5067,  
0.3615

0.0000, 1.0000,  
0.0000

72.2082, 0.3513,  
0.3363

72.2082, 0.3513,  
0.3363

60.8988, 0.3772,  
0.3402

85.2184, 0.3301,  
0.3325

51.2104, 0.4086,  
0.3441

99.9854, 0.3127,  
0.3290

43.0714, 0.4456,  
0.3475

99.9983, 0.3127,  
0.3290

36.4011, 0.4875,  
0.3499

■ 31.1111, 0.5319,  
0.3505

■ 27.1039, 0.5741,  
0.3486

■ 24.2684, 0.6081,  
0.3441

■ 22.4687, 0.6297,  
0.3382

# Harmonies

## Analogous

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



72.2082, 0.3389, 0.3188



72.2082, 0.3513, 0.3363



72.2082, 0.3529, 0.3526

# Triad

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



72.2082, 0.3513, 0.3363



72.2082, 0.3050, 0.3559



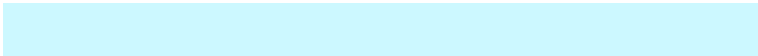
72.2082, 0.2823, 0.2954

# Complementary

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



72.2082, 0.3513, 0.3363



87.1654, 0.2822, 0.3216

# 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.



72.2082, 0.2740, 0.3039



72.2082, 0.3513, 0.3363



72.2082, 0.2868, 0.3389

# Square

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



72.2082, 0.3513, 0.3363



72.2082, 0.3258, 0.3648



72.2082, 0.2756, 0.3197



72.2082, 0.2988, 0.2957



# Rectangle

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



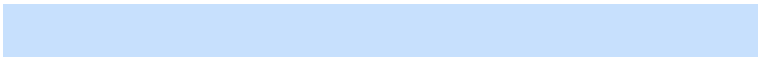
72.2082, 0.3513, 0.3363



72.2082, 0.3477, 0.3606



72.2082, 0.2756, 0.3197



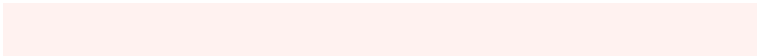
72.2082, 0.2785, 0.2973

# Sweetspot

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



72.2115, 0.3513, 0.3363



90.9238, 0.3227, 0.3311



71.2246, 0.3198, 0.2854



19.2583, 0.3238, 0.3313



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

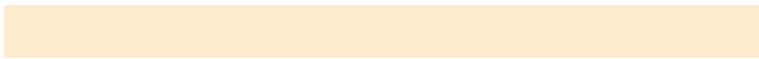
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.2115, 0.3513, 0.3363



67.4971, 0.3611, 0.3379



85.7739, 0.3464, 0.3614



18.3906, 0.3291, 0.3323



11.8635, 0.6278, 0.3397

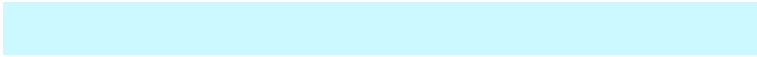


1.2723, 0.6100, 0.3538

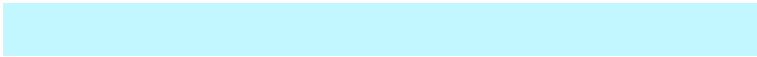


# Inverse Universe

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



87.1654, 0.2822, 0.3216



84.9192, 0.2764, 0.3199



72.6617, 0.2805, 0.2943



20.0293, 0.2980, 0.3256



30.6444, 0.2124, 0.2847

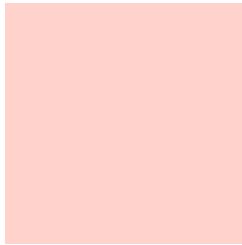


3.0963, 0.2140, 0.2902



# Previews

## White Background



This preview shows how the Yxy color 72.2082, 0.3513, 0.3363 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

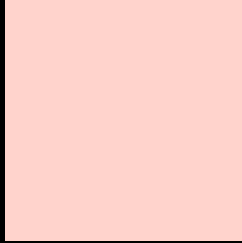
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.2082, 0.3513, 0.3363 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

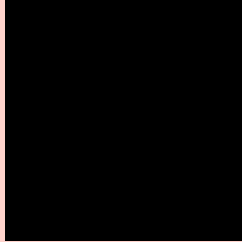
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.2082, 0.3513, 0.3363**

## Background



This preview shows how black text looks on a background with the Yxy color 72.2082, 0.3513, 0.3363.

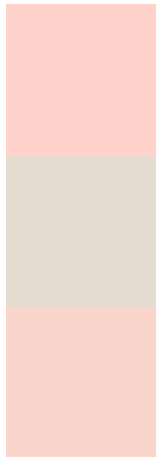


This preview shows how white text looks on a background with the Yxy color 72.2082, 0.3513, 0.3363.

# 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

72.2082, 0.3513, 0.3363

### Protanopia

72.2838, 0.3259, 0.3409

### Deuteranopia

72.0879, 0.3463, 0.3384



## Tritanopia

72.2427, 0.3368, 0.3139

# Trichromacy



## Original Color

72.2082, 0.3513, 0.3363

## Protanomaly

72.3078, 0.3351, 0.3397

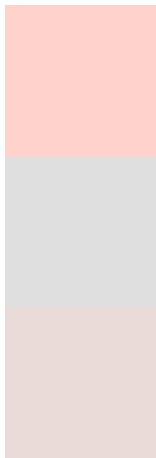
## Deuteranomaly

71.9558, 0.3480, 0.3374

## Tritanomaly

72.3629, 0.3418, 0.3220

# Monochromacy



## Original Color

72.2082, 0.3513, 0.3363

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

73.2831, 0.3263, 0.3322

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.2082, 0.3513, 0.3363 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, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 211, 204)  
}
```

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, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 211, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 72.2082, 0.3513, 0.3363 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, 204) }
```

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

```
.border{ border-color:rgb(255, 211, 204) }
```

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, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 211, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 211, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 211,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.2082, 0.3513, 0.3363 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, 204) }
```

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

```
.background{ background-color: rgb(255,  
211, 204) }
```

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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