

# Converting Colors

$Y_{xy}(117.7309, 0.4648, 0.3404)$

Have a look what the booklet for  
Yxy(117.7309, 0.4648, 0.3404)  
contains.

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# Color

**Yxy(73.8921, 0.3557, 0.3475)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD7C5
RGB	255, 215, 197
RGB Percent	100%, 84%, 77%
CMY	0.0000, 0.1569, 0.2274
CMYK	0.00, 0.16, 0.23, 0.00
HSL	19°, 100%, 89%
HSV	19°, 23%, 100%
XYZ	75.6357, 73.8921, 63.1113
YIQ	224.9080, 29.6180, 2.8820

# Conversions

## Conversions Part 2

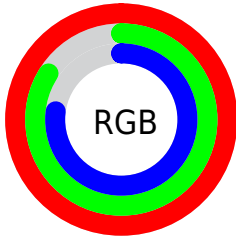
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 223, 197
Decimal	16766917
CIE Lab	88.87, 11.31, 14.06
CIE LCh	89, 18.041, 51.188
Yxy	73.8921, 0.3557, 0.3475
Android (android.graphics.Color)	4294956997 (0xFFFFD7C5)
YUV	224.9080, -13.7586, 26.3907
Hunter-Lab	85.9605, 6.6293, 16.6423

# Details

The Yxy color **73.8921, 0.3557, 0.3475** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **79.6835, 0.2774, 0.3097**, and the grayscale version is **75.3037, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.9358, 0.3133, 0.3300**, and **39.1305, 0.3666, 0.3515** is the 20% darker color. If you saturate the color by 10%, you get **64.3271, 0.3804, 0.3562**, and if you desaturate by 10%, it is **84.6041, 0.3347, 0.3391**.

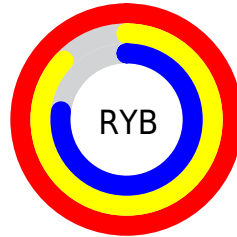
# Distribution



Red (100%)

Green (84%)

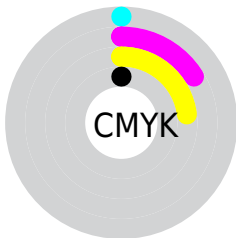
Blue (77%)



Red (100%)

Yellow (87%)

Blue (77%)

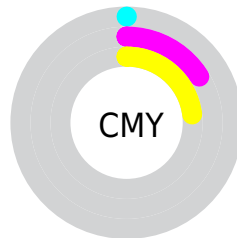


Cyan (0%)

Magenta (16%)

Yellow (23%)

Black (0%)



Cyan (0%)

Magenta (16%)


Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.8921, 0.3557, 0.3475 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 73.8921, 0.3557, 0.3475 by changing the saturation by 10% instead.




 73.8921, 0.3557,  
0.3475

 73.8921, 0.3557,  
0.3475


474.1009, 0.3357,  
0.3393

 54.7057, 0.3603,  
0.3493


124.7428, 0.3487,  
0.3447

 39.1662, 0.3660,  
0.3514


157.1760, 0.3460,  
0.3436

 26.8890, 0.3732,  
0.3541


194.7935, 0.3437,  
0.3427

 17.4899, 0.3826,  
0.3574

237.9799, 0.3417,  
0.3418

 10.5844, 0.3954,  
0.3616

287.1194, 0.3399,  
0.3411

 5.7881, 0.4138,  
0.3671

342.5965, 0.3384,

 2.7167, 0.4423,

0.3404

0.3744

404.7955, 0.3370,  
0.3398

0.9857, 0.5414,  
0.4216

0.0000, 1.0000,  
0.0000

73.8921, 0.3557,  
0.3475

73.8921, 0.3557,  
0.3475

64.3271, 0.3804,  
0.3562

84.6041, 0.3347,  
0.3391

55.8912, 0.4091,  
0.3646

96.5238, 0.3170,  
0.3311

48.5341, 0.4418,  
0.3721

100.0000, 0.3127,  
0.3290

42.2104, 0.4776,  
0.3777

■ 36.8707, 0.5147,  
0.3802

■ 32.4613, 0.5500,  
0.3782

■ 28.9223, 0.5799,  
0.3714

■ 26.8520, 0.5971,  
0.3641

# Harmonies

## Analogous

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



73.8921, 0.3494, 0.3294



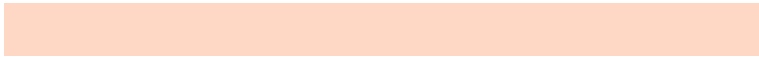
73.8921, 0.3557, 0.3475



73.8921, 0.3500, 0.3616

# Triad

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



73.8921, 0.3557, 0.3475



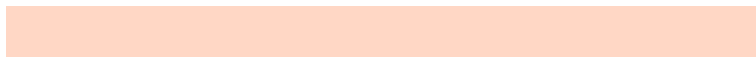
73.8921, 0.2923, 0.3470



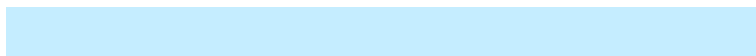
73.8921, 0.2906, 0.2929

# Complementary

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



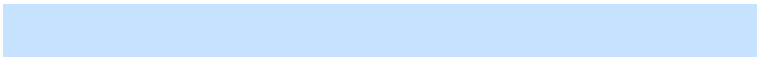
73.8921, 0.3557, 0.3475



79.6835, 0.2774, 0.3097

# 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.



73.8921, 0.2763, 0.2961



73.8921, 0.3557, 0.3475



73.8921, 0.2773, 0.3269

# Square

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



73.8921, 0.3557, 0.3475



73.8921, 0.3131, 0.3621



73.8921, 0.2716, 0.3083



73.8921, 0.3112, 0.2987



# Rectangle

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



73.8921, 0.3557, 0.3475



73.8921, 0.3404, 0.3666



73.8921, 0.2716, 0.3083



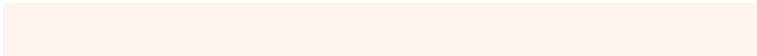
73.8921, 0.2850, 0.2929

# Sweetspot

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



73.8846, 0.3557, 0.3475



91.2930, 0.3242, 0.3344



67.3521, 0.3280, 0.2885



19.3858, 0.3253, 0.3349



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.



73.8846, 0.3557, 0.3475



69.6702, 0.3657, 0.3512



89.6356, 0.3495, 0.3753



18.9049, 0.3287, 0.3364



14.2625, 0.5941, 0.3664

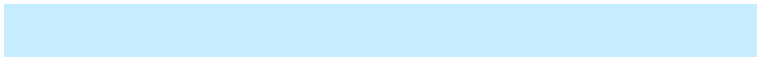


1.5732, 0.5721, 0.3840

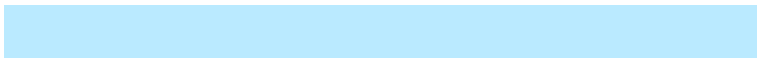


# Inverse Universe

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



79.6835, 0.2774, 0.3097



76.3357, 0.2709, 0.3056



64.5064, 0.2750, 0.2781



19.4760, 0.2980, 0.3215



20.2750, 0.1957, 0.2243

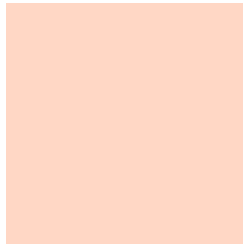


2.1687, 0.1994, 0.2377



# Previews

## White Background



This preview shows how the Yxy color 73.8921, 0.3557, 0.3475 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

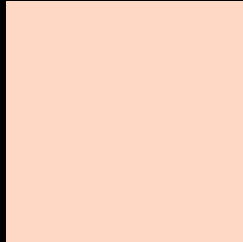
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.8921, 0.3557, 0.3475 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

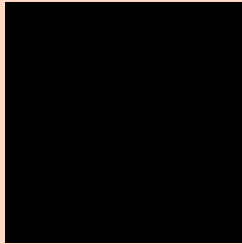
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.8921, 0.3557, 0.3475**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.8921, 0.3557, 0.3475.

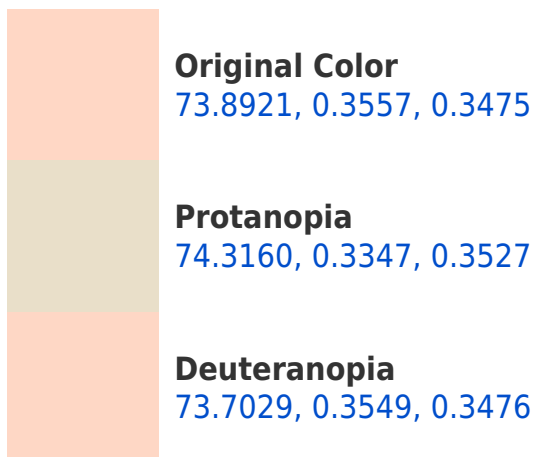


This preview shows how white text looks on a background with the Yxy color 73.8921, 0.3557, 0.3475.

# 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

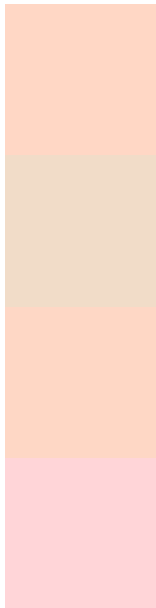




## Tritanopia

73.8930, 0.3342, 0.3140

# Trichromacy



## Original Color

73.8921, 0.3557, 0.3475

## Protanomaly

74.0573, 0.3418, 0.3502

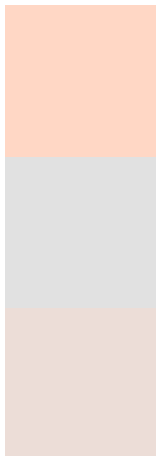
## Deuteranomaly

73.7029, 0.3549, 0.3476

## Tritanomaly

73.8064, 0.3421, 0.3260

# Monochromacy



## Original Color

73.8921, 0.3557, 0.3475

## Achromatopsia

75.2942, 0.3127, 0.3290

## Achromatomaly

74.4521, 0.3275, 0.3354

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.8921, 0.3557, 0.3475 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, 197)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 197)  
}
```

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, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 197) }
```

## Border

The CSS property to change the border of an element to Yxy 73.8921, 0.3557, 0.3475 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, 197) }
```

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

```
.border{ border-color:rgb(255, 215, 197) }
```

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, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 215, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 215, 197);  
box-shadow:4px 4px 4px 4px rgb(255, 215,  
197) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.8921, 0.3557, 0.3475 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, 197) }
```

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

```
.background{ background-color: rgb(255,  
215, 197) }
```

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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