

# Converting Colors

$Y_{xy}(73.0290, 0.3536, 0.3420)$

Have a look what the booklet for  
Yxy(73.0290, 0.3536, 0.3420)  
contains.

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# Color

**Yxy(73.0186, 0.3539, 0.3424)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFD5C8
RGB	255, 213, 200
RGB Percent	100%, 84%, 78%
CMY	0.0000, 0.1647, 0.2156
CMYK	0.00, 0.16, 0.22, 0.00
HSL	14°, 100%, 89%
HSV	14°, 22%, 100%
XYZ	75.4710, 73.0186, 64.7656
YIQ	224.0760, 29.2050, 4.8610

# Conversions

## Conversions Part 2

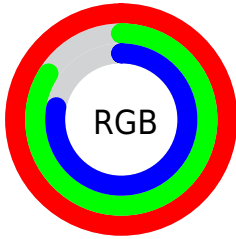
Format	Color
R <sub>Y</sub> B	255, 217, 200
Decimal	16766408
CIE Lab	88.46, 12.76, 11.90
CIE LCh	88, 17.446, 43.000
Yxy	73.0186, 0.3539, 0.3424
Android (android.graphics.Color)	4294956488 (0xFFFFD5C8)
YUV	224.0760, -11.8695, 27.1203
Hunter-Lab	85.4509, 8.1137, 14.8781

# Details

The Yxy color **73.0186, 0.3539, 0.3424** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **83.0173, 0.2795, 0.3152**, and the grayscale version is **74.6650, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.5348, 0.3643, 0.3449** is the 20% darker color. If you saturate the color by 10%, you get **62.7017, 0.3792, 0.3491**, and if you desaturate by 10%, it is **84.7033, 0.3327, 0.3360**.

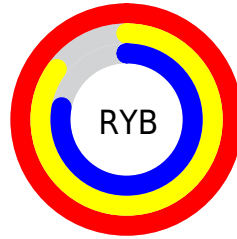
# Distribution



Red (100%)

Green (84%)

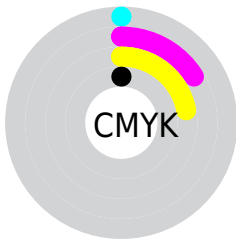
Blue (78%)



Red (100%)

Yellow (85%)

Blue (78%)

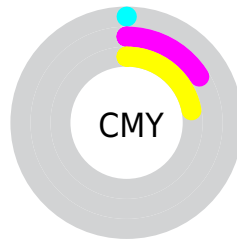


Cyan (0%)

Magenta (16%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (16%)


Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.0186, 0.3539, 0.3424 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 73.0186, 0.3539, 0.3424 by changing the saturation by 10% instead.




 73.0186, 0.3539,  
0.3424

 73.0186, 0.3539,  
0.3424

471.0793, 0.3347,  
0.3365

 53.9912, 0.3583,  
0.3437


123.5036, 0.3472,  
0.3404

 38.5946, 0.3638,  
0.3452


155.7300, 0.3446,  
0.3396

 26.4445, 0.3708,  
0.3470


193.1248, 0.3424,  
0.3390

 17.1565, 0.3799,  
0.3493

236.0725, 0.3404,  
0.3384

 10.3461, 0.3924,  
0.3522

284.9573, 0.3387,  
0.3378

 5.6290, 0.4105,  
0.3559

340.1638, 0.3372,

 2.6209, 0.4387,

0.3373

0.3605

402.0763, 0.3359,  
0.3369

0.9372, 0.5274,  
0.3938

0.0000, 1.0000,  
0.0000

73.0186, 0.3539,  
0.3424

73.0186, 0.3539,  
0.3424

62.7017, 0.3792,  
0.3491

84.7033, 0.3327,  
0.3360

53.7135, 0.4091,  
0.3556

97.8168, 0.3152,  
0.3299

45.9953, 0.4438,  
0.3613

100.0000, 0.3127,  
0.3290

39.4887, 0.4824,  
0.3655

■ 34.1301, 0.5229,  
0.3670

■ 29.8502, 0.5615,  
0.3648

■ 26.5713, 0.5937,  
0.3585

■ 24.5117, 0.6137,  
0.3509

# Harmonies

## Analogous

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



73.0186, 0.3447, 0.3245



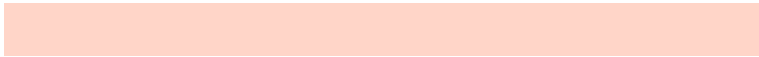
73.0186, 0.3539, 0.3424



73.0186, 0.3516, 0.3576

# Triad

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



73.0186, 0.3539, 0.3424



73.0186, 0.2980, 0.3512



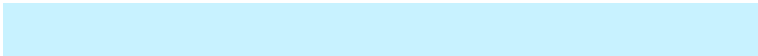
73.0186, 0.2867, 0.2939

# Complementary

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



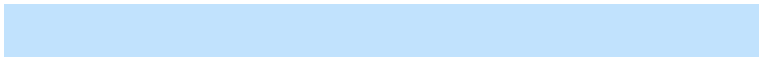
73.0186, 0.3539, 0.3424



83.0173, 0.2795, 0.3152

# 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.



73.0186, 0.2751, 0.2995



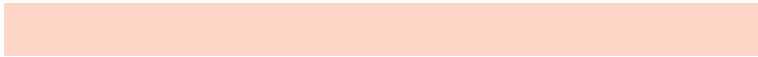
73.0186, 0.3539, 0.3424



73.0186, 0.2815, 0.3324

# Square

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



73.0186, 0.3539, 0.3424



73.0186, 0.3189, 0.3636



73.0186, 0.2732, 0.3134



73.0186, 0.3055, 0.2972

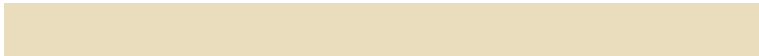


# Rectangle

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



73.0186, 0.3539, 0.3424



73.0186, 0.3439, 0.3640



73.0186, 0.2732, 0.3134



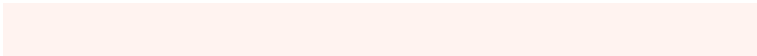
73.0186, 0.2819, 0.2948

# Sweetspot

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



73.0145, 0.3539, 0.3424



91.8212, 0.3226, 0.3325



68.9947, 0.3244, 0.2871



19.4697, 0.3237, 0.3329



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.



73.0145, 0.3539, 0.3424



68.2732, 0.3645, 0.3453



87.9490, 0.3482, 0.3693



18.6829, 0.3288, 0.3347



12.9965, 0.6110, 0.3530

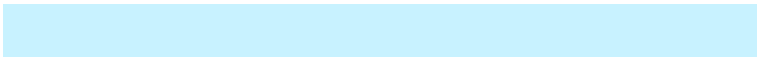


1.4246, 0.5896, 0.3701

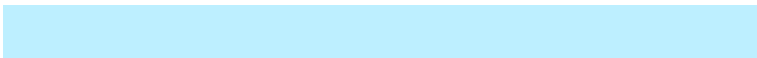


# Inverse Universe

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



83.0173, 0.2795, 0.3152



79.9389, 0.2729, 0.3120



67.9363, 0.2774, 0.2851



19.7118, 0.2980, 0.3233



24.3634, 0.2030, 0.2507

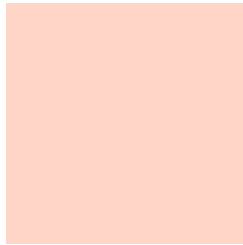


2.5391, 0.2057, 0.2607



# Previews

## White Background



This preview shows how the Yxy color 73.0186, 0.3539, 0.3424 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

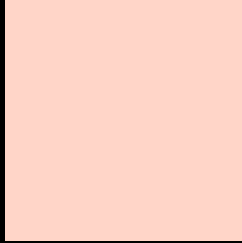
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.0186, 0.3539, 0.3424 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

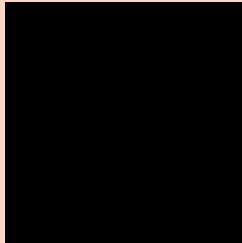
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.0186, 0.3539, 0.3424**

## Background



This preview shows how black text looks on a background with the Yxy color 73.0186, 0.3539, 0.3424.

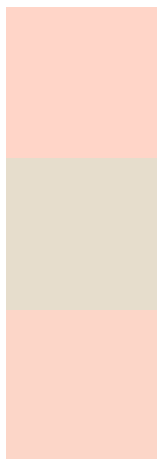


This preview shows how white text looks on a background with the Yxy color 73.0186, 0.3539, 0.3424.

# 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

73.0186, 0.3539, 0.3424

### Protanopia

72.8955, 0.3307, 0.3474

### Deuteranopia

72.9587, 0.3514, 0.3435



## Tritanopia

72.7894, 0.3359, 0.3140

# Trichromacy



## Original Color

73.0186, 0.3539, 0.3424

## Protanomaly

72.8053, 0.3385, 0.3450

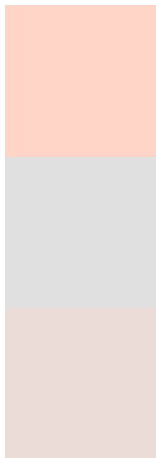
## Deuteranomaly

73.1459, 0.3521, 0.3435

## Tritanomaly

72.8064, 0.3424, 0.3240

# Monochromacy



## Original Color

73.0186, 0.3539, 0.3424

## Achromatopsia

74.5404, 0.3127, 0.3290

## Achromatomaly

73.7549, 0.3269, 0.3343

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.0186, 0.3539, 0.3424 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, 213, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 213, 200)  
}
```

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, 213, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 213, 200) }
```

## Border

The CSS property to change the border of an element to Yxy 73.0186, 0.3539, 0.3424 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, 213, 200) }
```

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

```
.border{ border-color:rgb(255, 213, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 213, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 213, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 213, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 213,  
200) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.0186, 0.3539, 0.3424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 213, 200) }
```

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

```
.background{ background-color: rgb(255,  
213, 200) }
```

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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