

# Converting Colors

$Y_{xy}(75.7362, 0.3330, 0.3165)$

Have a look what the booklet for  
Yxy(75.7362, 0.3330, 0.3165)  
contains.

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# **Color**

**Yxy(75.9732, 0.3330, 0.3170)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD8E4
RGB	255, 216, 228
RGB Percent	100%, 85%, 89%
CMY	0.0000, 0.1530, 0.1057
CMYK	0.00, 0.15, 0.11, 0.00
HSL	341°, 100%, 92%
HSV	341°, 15%, 100%
XYZ	79.8078, 75.9732, 83.8821
YIQ	229.0290, 19.3920, 12.0000

# Conversions

## Conversions Part 2

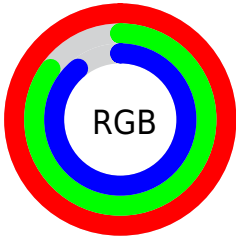
Format	Color
R <sub>YB</sub>	255, 216, 228
Decimal	16767204
CIE Lab	89.85, 15.47, -0.85
CIE LCh	90, 15.494, 356.858
Yxy	75.9732, 0.3330, 0.3170
Android (android.graphics.Color)	4294957284 (0xFFFFD8E4)
YUV	229.0290, -0.5073, 22.7766
Hunter-Lab	87.1626, 10.9036, 3.9553

# Details

The Yxy color **75.9732, 0.3330, 0.3170** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **92.5870, 0.2959, 0.3413**, and the grayscale version is **78.3706, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.5126, 0.3374, 0.3137** is the 20% darker color. If you saturate the color by 10%, you get **62.9758, 0.3501, 0.3086**, and if you desaturate by 10%, it is **91.0980, 0.3190, 0.3250**.

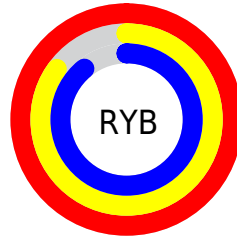
# Distribution



Red (100%)

Green (85%)

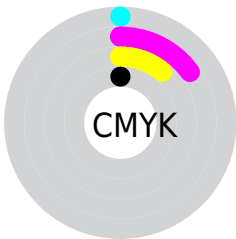
Blue (89%)



Red (100%)

Yellow (85%)

Blue (89%)

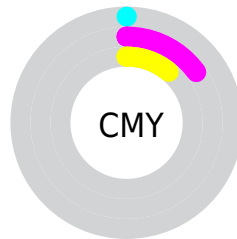


Cyan (0%)

Magenta (15%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (15%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.9732, 0.3330, 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 75.9732, 0.3330, 0.3170 by changing the saturation by 10% instead.




 75.9732, 0.3330,  
0.3170

 75.9732, 0.3330,  
0.3170


481.2560, 0.3237,  
0.3225

 56.4105, 0.3351,  
0.3158


127.6890, 0.3298,  
0.3189

 40.5322, 0.3377,  
0.3142


160.6110, 0.3285,  
0.3196

 27.9537, 0.3410,  
0.3123


198.7548, 0.3274,  
0.3203

 18.2908, 0.3453,  
0.3098


242.5049, 0.3265,  
0.3208

 11.1589, 0.3511,  
0.3064

292.2457, 0.3257,  
0.3213

 6.1738, 0.3594,  
0.3016

348.3615, 0.3249,

 2.9511, 0.3722,

0.3218

0.2941

411.2368, 0.3243,  
0.3222

■ 1.1062, 0.3948,  
0.2812

■ 0.0000, 0.8983,  
0.0000

■ 75.9732, 0.3330,  
0.3170

■ 75.9732, 0.3330,  
0.3170

■ 62.9758, 0.3501,  
0.3086

■ 91.0980, 0.3190,  
0.3250

■ 52.0093, 0.3711,  
0.3001

100.0000, 0.3127,  
0.3290

■ 42.9704, 0.3962,  
0.2921

■ 35.7460, 0.4259,  
0.2852

■ 30.2115, 0.4596,  
0.2805

■ 26.2263, 0.4958,  
0.2794

■ 23.6267, 0.5319,  
0.2828

■ 22.2111, 0.5645,  
0.2910

■ 21.8204, 0.5780,  
0.2958

# Harmonies

## Analogous

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



75.9732, 0.3151, 0.3047



75.9732, 0.3330, 0.3170



75.9732, 0.3456, 0.3325

# Triad

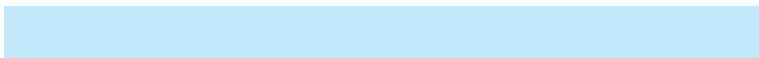
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.9732, 0.3330, 0.3170



75.9732, 0.3279, 0.3614



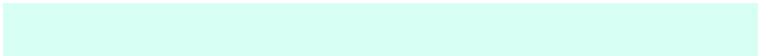
75.9732, 0.2776, 0.3090

# Complementary

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



75.9732, 0.3330, 0.3170



92.5870, 0.2959, 0.3413

# 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.



75.9732, 0.2809, 0.3241



75.9732, 0.3330, 0.3170



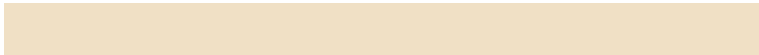
75.9732, 0.3096, 0.3551

# Square

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



75.9732, 0.3330, 0.3170



75.9732, 0.3425, 0.3584



75.9732, 0.2924, 0.3412



75.9732, 0.2834, 0.2998



# Rectangle

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



75.9732, 0.3330, 0.3170



75.9732, 0.3491, 0.3428



75.9732, 0.2924, 0.3412



75.9732, 0.2777, 0.3135

# Sweetspot

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



75.9733, 0.3330, 0.3170



91.5784, 0.3186, 0.3252



75.3221, 0.3059, 0.2900



19.3578, 0.3195, 0.3247



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

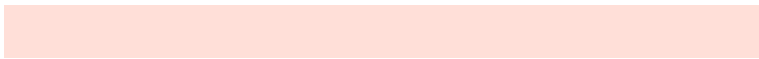
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.9733, 0.3330, 0.3170



72.2522, 0.3373, 0.3148



79.0716, 0.3405, 0.3363



18.0794, 0.3245, 0.3217



11.4250, 0.5738, 0.2934



1.1310, 0.5418, 0.2758



# Inverse Universe

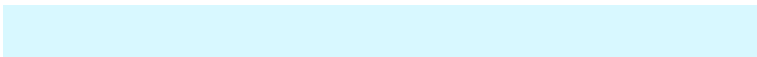
The Inverse Universe completely reimagines the original color for something new.



75.9733, 0.3330, 0.3170



72.2522, 0.3373, 0.3148



88.8605, 0.2891, 0.3216



18.0794, 0.3245, 0.3217



11.4250, 0.5738, 0.2934

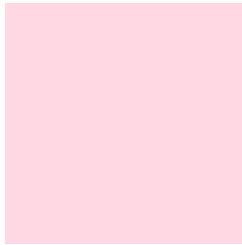


1.1310, 0.5418, 0.2758



# Previews

## White Background



This preview shows how the Yxy color 75.9732, 0.3330, 0.3170 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

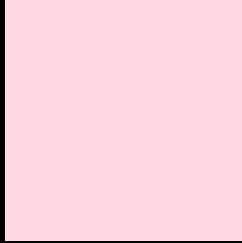
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.9732, 0.3330, 0.3170 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

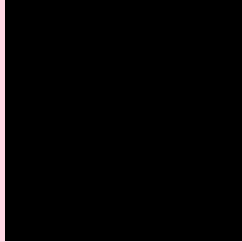
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.9732, 0.3330, 0.3170**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.9732, 0.3330, 0.3170.

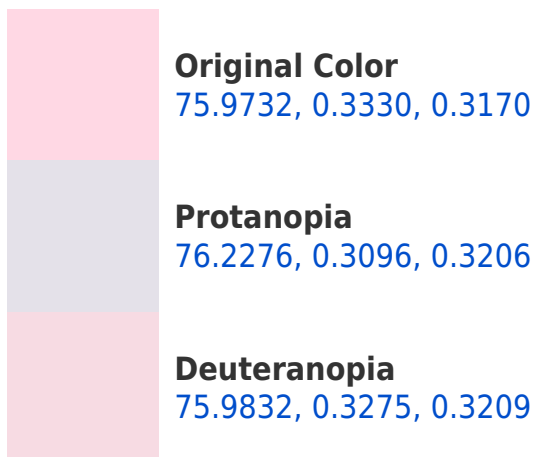


This preview shows how white text looks on a background with the Yxy color 75.9732, 0.3330, 0.3170.

# 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





## Tritanopia

76.1979, 0.3302, 0.3131

# Trichromacy



## Original Color

75.9732, 0.3330, 0.3170

## Protanomaly

76.1892, 0.3181, 0.3197

## Deuteranomaly

76.0129, 0.3298, 0.3199

## Tritanomaly

76.1413, 0.3309, 0.3141

# Monochromacy



## Original Color

75.9732, 0.3330, 0.3170

## Achromatopsia

78.3538, 0.3127, 0.3290

## Achromatomaly

77.1456, 0.3193, 0.3238

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.9732, 0.3330, 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, 216, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 216, 228)  
}
```

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, 216, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 216, 228) }
```

## Border

The CSS property to change the border of an element to Yxy 75.9732, 0.3330, 0.3170 is called "border". The border property can be set on classes, ids or directly on the HTML element.

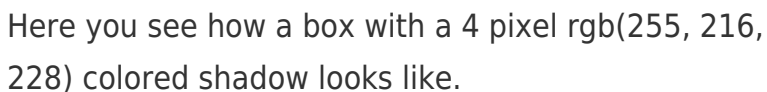
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 216, 228) }
```

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

```
.border{ border-color:rgb(255, 216, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 216, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 216, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 216, 228); box-shadow:4px 4px 4px 4px rgb(255, 216, 228) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.9732, 0.3330, 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, 216, 228) }
```

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

```
.background{ background-color: rgb(255,  
216, 228) }
```

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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