

# Converting Colors

$Y_{xy}(77.3092, 0.3374, 0.3273)$

Have a look what the booklet for  
Yxy(77.3092, 0.3374, 0.3273)  
contains.

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# Color

**Yxy(77.1435, 0.3376, 0.3271)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDBDD
RGB	255, 219, 221
RGB Percent	100%, 86%, 87%
CMY	0.0000, 0.1411, 0.1335
CMYK	0.00, 0.14, 0.13, 0.00
HSL	357°, 100%, 93%
HSV	357°, 14%, 100%
XYZ	79.6198, 77.1435, 79.0774
YIQ	229.9920, 20.8140, 8.2540

# Conversions

## Conversions Part 2

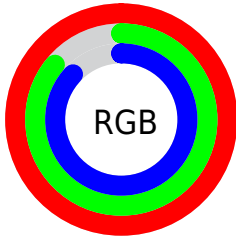
Format	Color
R <sub>Y</sub> B	255, 219, 221
Decimal	16767965
CIE Lab	90.39, 12.77, 3.65
CIE LCh	90, 13.281, 15.964
Yxy	77.1435, 0.3376, 0.3271
Android (android.graphics.Color)	4294958045 (0xFFFFDBDD)
YUV	229.9920, -4.4331, 21.9320
Hunter-Lab	87.8314, 8.1067, 8.1013

# Details

The Yxy color  $77.1435, 0.3376, 0.3271$  is a light color, and the websafe version is hex  $\text{FFCCCC}$ . A complement of this color would be  $93.6758, 0.2922, 0.3309$ , and the grayscale version is  $79.1466, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $41.3099, 0.3434, 0.3265$  is the 20% darker color. If you saturate the color by 10%, you get  $63.6499, 0.3606, 0.3257$ , and if you desaturate by 10%, it is  $92.8653, 0.3192, 0.3285$ .

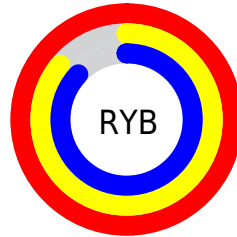
# Distribution



Red (100%)

Green (86%)

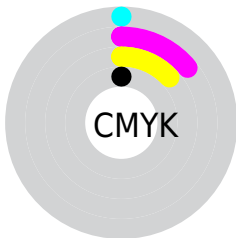
Blue (87%)



Red (100%)

Yellow (86%)

Blue (87%)

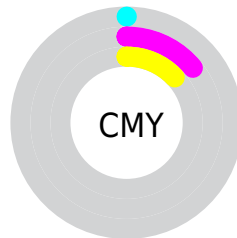


Cyan (0%)

Magenta (14%)

Yellow (13%)

Black (0%)



Cyan (0%)

Magenta (14%)


Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.1435, 0.3376, 0.3271 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 77.1435, 0.3376, 0.3271 by changing the saturation by 10% instead.




 77.1435, 0.3376,  
0.3271

 77.1435, 0.3376,  
0.3271


485.2532, 0.3261,  
0.3281

 57.3707, 0.3402,  
0.3269


129.3420, 0.3336,  
0.3275

 41.3029, 0.3434,  
0.3266


162.5365, 0.3321,  
0.3276

 28.5558, 0.3475,  
0.3261


200.9736, 0.3308,  
0.3277

 18.7451, 0.3528,  
0.3256

245.0378, 0.3296,  
0.3278

 11.4862, 0.3600,  
0.3248

295.1135, 0.3286,  
0.3279

 6.3949, 0.3703,  
0.3235

351.5850, 0.3277,

 3.0866, 0.3863,

0.3280

0.3214

414.8368, 0.3269,  
0.3280

■ 1.1771, 0.4145,  
0.3170

■ 0.0429, 0.8915,  
0.1085

■ 77.1435, 0.3376,  
0.3271

■ 77.1435, 0.3376,  
0.3271

■ 63.6499, 0.3606,  
0.3257

■ 92.8653, 0.3192,  
0.3285

■ 52.2757, 0.3893,  
0.3242

100.0000, 0.3127,  
0.3290

■ 42.9160, 0.4243,  
0.3229

■ 35.4531, 0.4657,  
0.3220

■ 29.7575, 0.5118,  
0.3217

■ 25.6834, 0.5585,  
0.3223

■ 23.0617, 0.5991,  
0.3240

■ 21.6861, 0.6268,  
0.3266

■ 21.2914, 0.6361,  
0.3278

# Harmonies

## Analogous

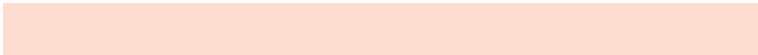
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.1435, 0.3248, 0.3145



77.1435, 0.3376, 0.3271



77.1435, 0.3436, 0.3405

# Triad

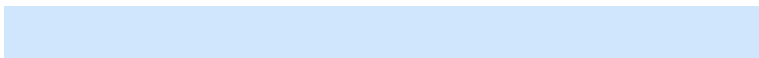
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.1435, 0.3376, 0.3271



77.1435, 0.3159, 0.3540



77.1435, 0.2850, 0.3062

# Complementary

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



77.1435, 0.3376, 0.3271



93.6758, 0.2922, 0.3309

# 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.



77.1435, 0.2828, 0.3162



77.1435, 0.3376, 0.3271



77.1435, 0.3004, 0.3442

# Square

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



77.1435, 0.3376, 0.3271



77.1435, 0.3308, 0.3565



77.1435, 0.2884, 0.3302



77.1435, 0.2944, 0.3025



# Rectangle

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



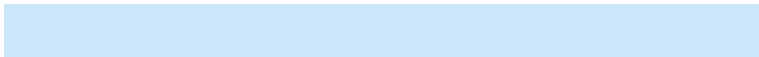
77.1435, 0.3376, 0.3271



77.1435, 0.3429, 0.3483



77.1435, 0.2884, 0.3302



77.1435, 0.2834, 0.3090

# Sweetspot

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



77.1463, 0.3376, 0.3271



93.0582, 0.3190, 0.3285



78.6953, 0.3127, 0.2938



19.6478, 0.3202, 0.3284



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

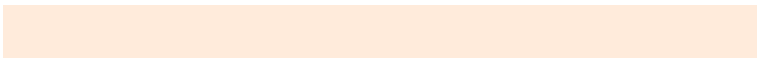
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.1463, 0.3376, 0.3271



73.0278, 0.3437, 0.3267



85.5656, 0.3368, 0.3446



18.0031, 0.3286, 0.3277



11.1316, 0.6346, 0.3270



1.0892, 0.6218, 0.3199



# Inverse Universe

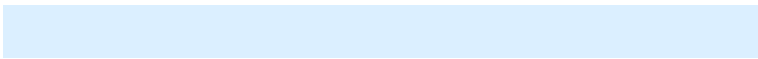
The Inverse Universe completely reimagines the original color for something new.



77.1463, 0.3376, 0.3271



73.0278, 0.3437, 0.3267



84.2511, 0.2906, 0.3129



18.0031, 0.3286, 0.3277



11.1316, 0.6346, 0.3270

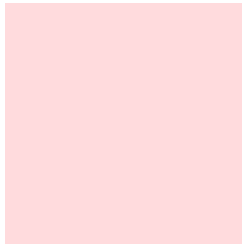


1.0892, 0.6218, 0.3199



# Previews

## White Background



This preview shows how the Yxy color 77.1435, 0.3376, 0.3271 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

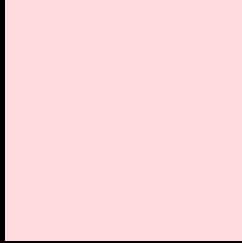
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.1435, 0.3376, 0.3271 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

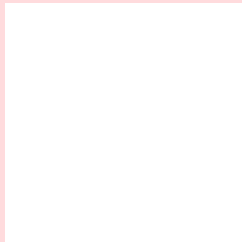
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 77.1435, 0.3376, 0.3271**

## Background



This preview shows how black text looks on a background with the Yxy color 77.1435, 0.3376, 0.3271.

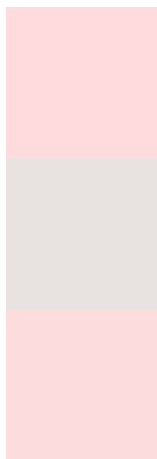


This preview shows how white text looks on a background with the Yxy color 77.1435, 0.3376, 0.3271.

# 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

77.1435, 0.3376, 0.3271

### Protanopia

77.5302, 0.3175, 0.3311

### Deuteranopia

77.1023, 0.3352, 0.3281



## Tritanopia

77.3433, 0.3286, 0.3131

# Trichromacy



## Original Color

77.1435, 0.3376, 0.3271

## Protanomaly

77.2184, 0.3240, 0.3290

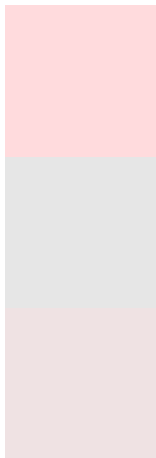
## Deuteranomaly

77.2895, 0.3360, 0.3281

## Tritanomaly

77.0600, 0.3321, 0.3181

# Monochromacy



## Original Color

77.1435, 0.3376, 0.3271

## Achromatopsia

79.1298, 0.3127, 0.3290

## Achromatomaly

78.2895, 0.3212, 0.3280

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.1435, 0.3376, 0.3271 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, 219, 221)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 221)  
}
```

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, 219, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 77.1435, 0.3376, 0.3271 is called "border". The border property can be set on classes, ids or directly on the HTML element.

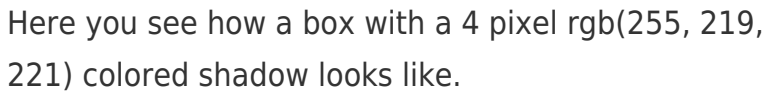
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 219, 221) }
```

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

```
.border{ border-color:rgb(255, 219, 221) }
```

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



Here you see how a box with a 4 pixel rgb(255, 219, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 219, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 219, 221);  
box-shadow:4px 4px 4px 4px rgb(255, 219,  
221) }
```



# Background

The CSS property to change the background color of an element to `rgb(77.1435, 0.3376, 0.3271)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 219, 221) }
```

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

```
.background{ background-color: rgb(255,  
219, 221) }
```

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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