

# Converting Colors

$Y_{xy}(81.8026, 0.3314, 0.3275)$

Have a look what the booklet for  
Yxy(81.8026, 0.3314, 0.3275)  
contains.

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# Color

**Yxy(81.8553, 0.3311, 0.3271)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE3E5
RGB	255, 227, 229
RGB Percent	100%, 89%, 90%
CMY	0.0000, 0.1098, 0.1021
CMYK	0.00, 0.11, 0.10, 0.00
HSL	356°, 100%, 95%
HSV	356°, 11%, 100%
XYZ	82.8563, 81.8553, 85.5339
YIQ	235.6000, 16.0460, 6.5580

# Conversions

## Conversions Part 2

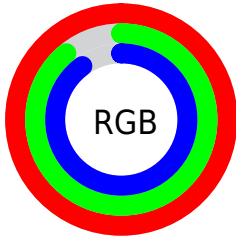
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 227, 229
Decimal	16770021
CIE Lab	92.51, 9.92, 2.55
CIE LCh	93, 10.241, 14.409
Yxy	81.8553, 0.3311, 0.3271
Android (android.graphics.Color)	4294960101 (0xFFFFE3E5)
YUV	235.6000, -3.2538, 17.0138
Hunter-Lab	90.4739, 5.1415, 7.2791

# Details

The Yxy color **81.8553, 0.3311, 0.3271** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **94.9448, 0.2969, 0.3309**, and the grayscale version is **83.5706, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.5668, 0.3347, 0.3265** is the 20% darker color. If you saturate the color by 10%, you get **67.6864, 0.3522, 0.3253**, and if you desaturate by 10%, it is **98.2658, 0.3142, 0.3288**.

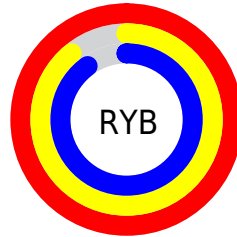
# Distribution



Red (100%)

Green (89%)

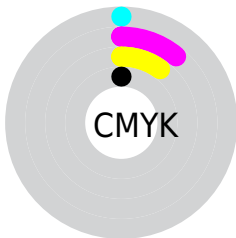
Blue (90%)



Red (100%)

Yellow (89%)

Blue (90%)

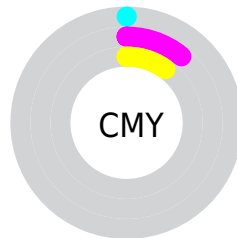


Cyan (0%)

Magenta (11%)

Yellow (10%)

Black (0%)



Cyan (0%)

Magenta (11%)


Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.8553, 0.3311, 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 81.8553, 0.3311, 0.3271 by changing the saturation by 10% instead.




 81.8553, 0.3311,  
0.3271

 81.8553, 0.3311,  
0.3271

501.1635, 0.3227,  
0.3280

 61.2463, 0.3330,  
0.3269

135.9711, 0.3282,  
0.3274

 44.4239, 0.3353,  
0.3266


170.2466, 0.3271,  
0.3275

 31.0039, 0.3382,  
0.3263


209.8464, 0.3261,  
0.3277

 20.6018, 0.3419,  
0.3258

255.1549, 0.3253,  
0.3277

 12.8333, 0.3470,  
0.3252

306.5565, 0.3245,  
0.3278

 7.3138, 0.3541,  
0.3242

364.4355, 0.3239,

 3.6591, 0.3650,

0.3279

0.3226

429.1764, 0.3233,  
0.3280

■ 1.4848, 0.3836,  
0.3197

■ 0.2780, 0.5571,  
0.3059

■ 81.8553, 0.3311,  
0.3271

■ 81.8553, 0.3311,  
0.3271

■ 67.6864, 0.3522,  
0.3253

■ 98.2658, 0.3142,  
0.3288

■ 55.6688, 0.3785,  
0.3234

■ 100.0000, 0.3127,  
0.3290

■ 45.6952, 0.4109,  
0.3216

■ 37.6516, 0.4496,  
0.3201

■ 31.4133, 0.4939,  
0.3193

■ 26.8407, 0.5406,  
0.3196

■ 23.7737, 0.5840,  
0.3213

■ 22.0211, 0.6171,  
0.3242

■ 21.3033, 0.6346,  
0.3270

# Harmonies

## Analogous

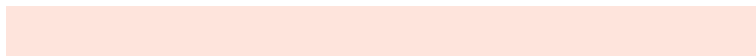
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.8553, 0.3213, 0.3175



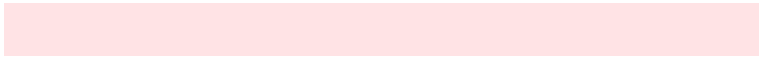
81.8553, 0.3311, 0.3271



81.8553, 0.3359, 0.3374

# Triad

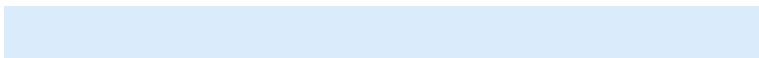
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.8553, 0.3311, 0.3271



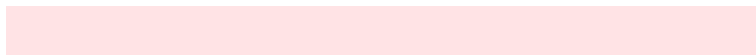
81.8553, 0.3158, 0.3480



81.8553, 0.2914, 0.3121

# Complementary

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



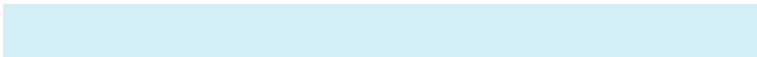
81.8553, 0.3311, 0.3271



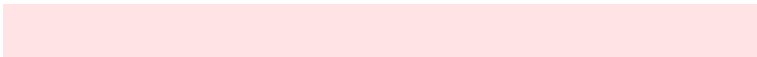
94.9448, 0.2969, 0.3309

# 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.



81.8553, 0.2901, 0.3200



81.8553, 0.3311, 0.3271



81.8553, 0.3040, 0.3409

# Square

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



81.8553, 0.3311, 0.3271



81.8553, 0.3270, 0.3497



81.8553, 0.2946, 0.3306



81.8553, 0.2984, 0.3089

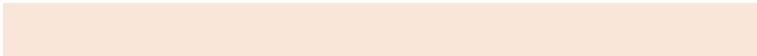


# Rectangle

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



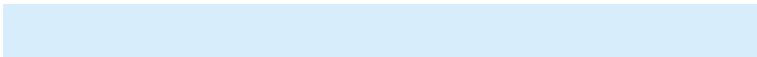
81.8553, 0.3311, 0.3271



81.8553, 0.3356, 0.3433



81.8553, 0.2946, 0.3306



81.8553, 0.2903, 0.3143

# Sweetspot

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



81.8528, 0.3311, 0.3271



94.7661, 0.3173, 0.3285



82.9778, 0.3124, 0.3018



19.9920, 0.3186, 0.3284



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

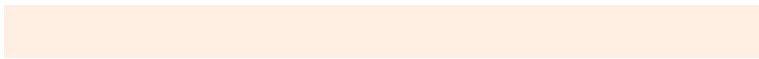
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.8528, 0.3311, 0.3271



78.8143, 0.3350, 0.3267



88.3437, 0.3310, 0.3405



18.0077, 0.3283, 0.3274



11.1390, 0.6329, 0.3260



1.0914, 0.6168, 0.3172



# Inverse Universe

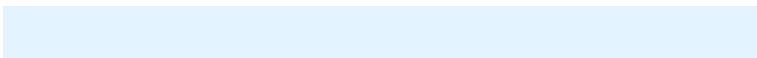
The Inverse Universe completely reimagines the original color for something new.



81.8528, 0.3311, 0.3271



78.8143, 0.3350, 0.3267



87.8514, 0.2956, 0.3172



18.0077, 0.3283, 0.3274



11.1390, 0.6329, 0.3260

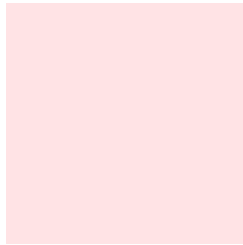


1.0914, 0.6168, 0.3172



# Previews

## White Background



This preview shows how the Yxy color 81.8553, 0.3311, 0.3271 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

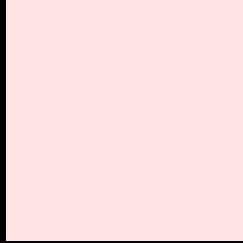
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.8553, 0.3311, 0.3271 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

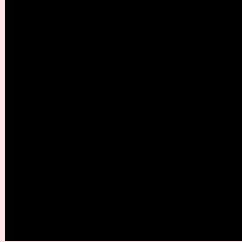
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

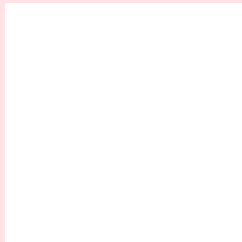
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.8553, 0.3311, 0.3271**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.8553, 0.3311, 0.3271.

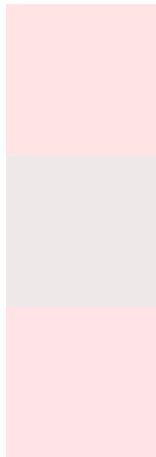


This preview shows how white text looks on a background with the Yxy color 81.8553, 0.3311, 0.3271.

# 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

81.8553, 0.3311, 0.3271

### Protanopia

82.2812, 0.3167, 0.3300

### Deuteranopia

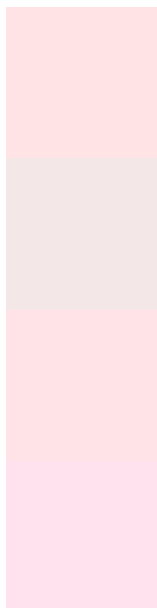
81.9113, 0.3304, 0.3261



## Tritanopia

82.0635, 0.3225, 0.3133

# Trichromacy



## Original Color

81.8553, 0.3311, 0.3271

## Protanomaly

82.1544, 0.3216, 0.3290

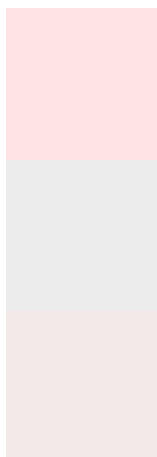
## Deuteranomaly

81.9113, 0.3304, 0.3261

## Tritanomaly

81.7671, 0.3258, 0.3182

# Monochromacy



## Original Color

81.8553, 0.3311, 0.3271

## Achromatopsia

83.8799, 0.3127, 0.3290

## Achromatomaly

83.2157, 0.3195, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.8553, 0.3311, 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, 227, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 229)  
}
```

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, 227, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 81.8553, 0.3311, 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, 227, 229) }
```

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

```
.border{ border-color:rgb(255, 227, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 227, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
229) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.8553, 0.3311, 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, 227, 229) }
```

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

```
.background{ background-color: rgb(255,  
227, 229) }
```

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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