

# Converting Colors

$Y_{xy}(81.3303, 0.3376, 0.3368)$

Have a look what the booklet for  
Yxy(81.3303, 0.3376, 0.3368)  
contains.

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# Color

**Yxy(81.3126, 0.3378, 0.3371)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE3DB
RGB	255, 227, 219
RGB Percent	100%, 89%, 86%
CMY	0.0002, 0.1097, 0.1412
CMYK	0.00, 0.11, 0.14, 0.00
HSL	13°, 100%, 93%
HSV	13°, 14%, 100%
XYZ	81.4814, 81.3126, 78.4181
YIQ	234.4600, 19.2560, 3.4480

# Conversions

## Conversions Part 2

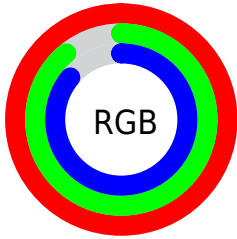
Format	Color
R <sub>Y</sub> B	255, 229, 219
Decimal	16770011
CIE Lab	92.27, 8.30, 7.40
CIE LCh	92, 11.118, 41.727
Yxy	81.3126, 0.3378, 0.3371
Android (android.graphics.Color)	4294960091 (0xFFFFE3DB)
YUV	234.4600, -7.6218, 18.0136
Hunter-Lab	90.1735, 3.4903, 11.5608

# Details

The Yxy color **81.3126, 0.3378, 0.3371** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **88.7548, 0.2909, 0.3208**, and the grayscale version is **82.6926, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.1912, 0.3436, 0.3393** is the 20% darker color. If you saturate the color by 10%, you get **69.8548, 0.3601, 0.3433**, and if you desaturate by 10%, it is **94.2296, 0.3193, 0.3313**.

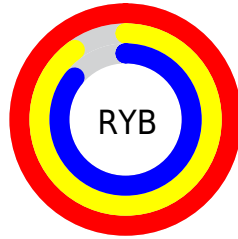
# Distribution



Red (100%)

Green (89%)

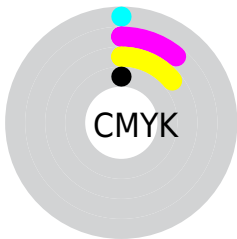
Blue (86%)



Red (100%)

Yellow (90%)

Blue (86%)

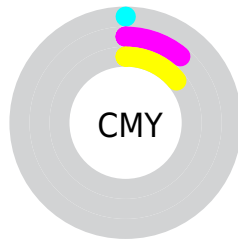


Cyan (0%)

Magenta (11%)

Yellow (14%)

Black (0%)



Cyan (0%)

Magenta (11%)


Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.3126, 0.3378, 0.3371 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 81.3126, 0.3378, 0.3371 by changing the saturation by 10% instead.




 81.3126, 0.3378,  
0.3371

 81.3126, 0.3378,  
0.3371


499.3454, 0.3264,  
0.3335

 60.7991, 0.3404,  
0.3379


135.2096, 0.3339,  
0.3359

 44.0630, 0.3435,  
0.3388

169.3619, 0.3323,  
0.3354

 30.7201, 0.3475,  
0.3399


208.8292, 0.3310,  
0.3350

 20.3858, 0.3527,  
0.3414


253.9960, 0.3298,  
0.3346

 12.6758, 0.3597,  
0.3432

305.2466, 0.3288,  
0.3343

 7.2057, 0.3695,  
0.3458

362.9655, 0.3279,

 3.5911, 0.3846,

0.3340

0.3493

427.5370, 0.3271,  
0.3338

■ 1.4475, 0.4103,  
0.3543

■ 0.2514, 0.6372,  
0.3628

■ 81.3126, 0.3378,  
0.3371

■ 81.3126, 0.3378,  
0.3371

■ 69.8548, 0.3601,  
0.3433

■ 94.2296, 0.3193,  
0.3313

■ 59.7939, 0.3867,  
0.3496

99.9906, 0.3127,  
0.3290

■ 51.0793, 0.4182,  
0.3556

■ 43.6528, 0.4545,  
0.3607

■ 37.4520, 0.4943,  
0.3641

■ 32.4094, 0.5353,  
0.3645

■ 28.4500, 0.5731,  
0.3613

■ 25.4897, 0.6030,  
0.3541

■ 24.1663, 0.6162,  
0.3489

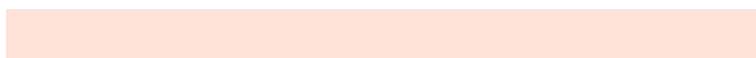
# Harmonies

## Analogous

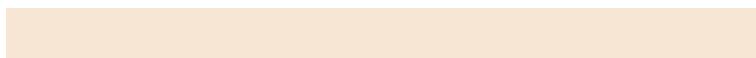
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.3126, 0.3320, 0.3259



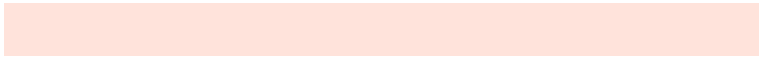
81.3126, 0.3378, 0.3371



81.3126, 0.3367, 0.3465

# Triad

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



81.3126, 0.3378, 0.3371



81.3126, 0.3043, 0.3429



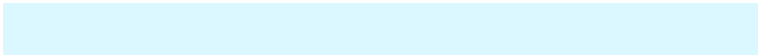
81.3126, 0.2963, 0.3072

# Complementary

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



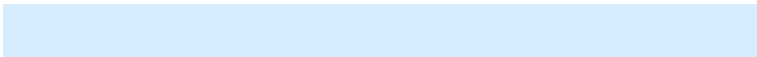
81.3126, 0.3378, 0.3371



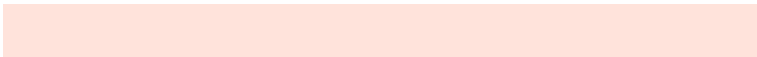
88.7548, 0.2909, 0.3208

# Split Complementary

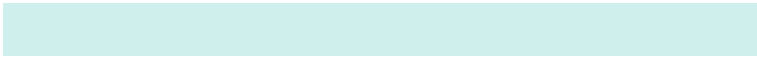
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.3126, 0.2892, 0.3112



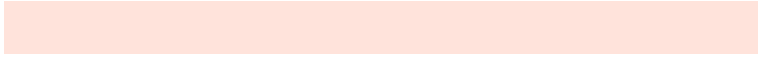
81.3126, 0.3378, 0.3371



81.3126, 0.2938, 0.3317

# Square

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



81.3126, 0.3378, 0.3371



81.3126, 0.3172, 0.3501



81.3126, 0.2883, 0.3201

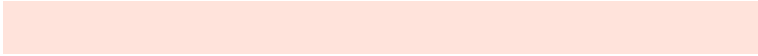


81.3126, 0.3078, 0.3089



# Rectangle

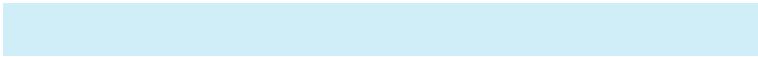
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.3126, 0.3378, 0.3371



81.3126, 0.3323, 0.3504



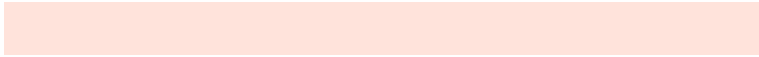
81.3126, 0.2883, 0.3201



81.3126, 0.2933, 0.3079

# Sweetspot

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



81.3162, 0.3378, 0.3371



94.4085, 0.3192, 0.3312



78.6398, 0.3195, 0.3014



19.9880, 0.3204, 0.3316



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

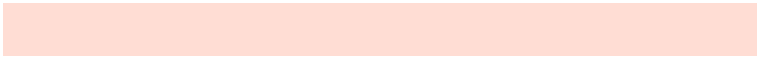


# Same Dimension

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



81.3162, 0.3378, 0.3371



77.8798, 0.3438, 0.3389



91.5278, 0.3353, 0.3544



18.6443, 0.3289, 0.3344



12.8132, 0.6136, 0.3510

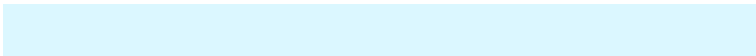


1.4018, 0.5925, 0.3678



# Inverse Universe

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



88.7548, 0.2909, 0.3208



86.6675, 0.2865, 0.3189



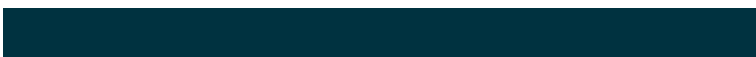
78.4193, 0.2903, 0.3022



19.7533, 0.2980, 0.3236



25.1323, 0.2042, 0.2552

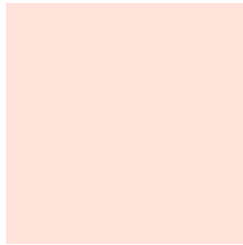


2.6080, 0.2068, 0.2646



# Previews

## White Background



This preview shows how the Yxy color 81.3126, 0.3378, 0.3371 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

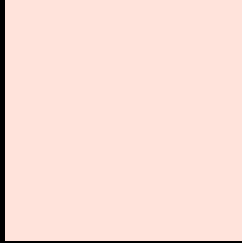
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.3126, 0.3378, 0.3371 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

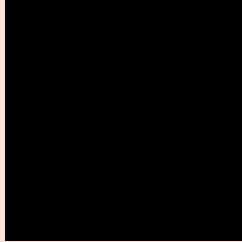
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

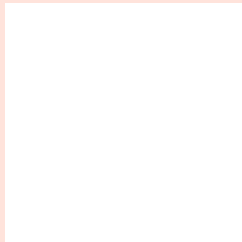
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.3126, 0.3378, 0.3371**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.3126, 0.3378, 0.3371.

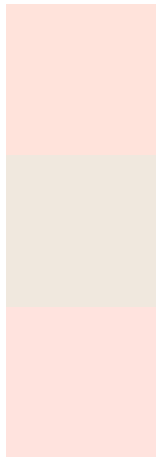


This preview shows how white text looks on a background with the Yxy color 81.3126, 0.3378, 0.3371.

# 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

81.3126, 0.3378, 0.3371

### Protanopia

81.5124, 0.3246, 0.3393

### Deuteranopia

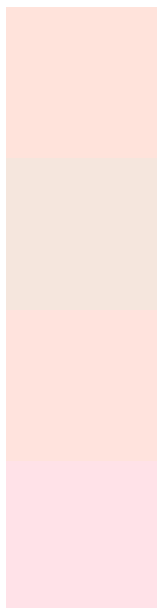
81.4721, 0.3358, 0.3341



## Tritanopia

81.4017, 0.3239, 0.3143

# Trichromacy



## Original Color

81.3126, 0.3378, 0.3371

## Protanomaly

81.2266, 0.3290, 0.3382

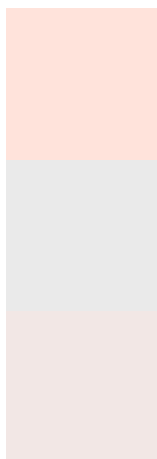
## Deuteranomaly

81.4186, 0.3365, 0.3351

## Tritanomaly

81.4789, 0.3291, 0.3231

# Monochromacy



## Original Color

81.3126, 0.3378, 0.3371

## Achromatopsia

82.2786, 0.3127, 0.3290

## Achromatomaly

81.6862, 0.3215, 0.3311

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.3126, 0.3378, 0.3371 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, 219)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 219)  
}
```

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, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 81.3126, 0.3378, 0.3371 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, 219) }
```

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

```
.border{ border-color:rgb(255, 227, 219) }
```

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, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 219);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
219) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.3126, 0.3378, 0.3371 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, 219) }
```

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

```
.background{ background-color: rgb(255,  
227, 219) }
```

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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