

# Converting Colors

$Yxy(83.2338, 0.3301, 0.3284)$

Have a look what the booklet for  
Yxy(83.2338, 0.3301, 0.3284)  
contains.

<b>Yxy(83.0118, 0.3302, 0.3281)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(83.0118, 0.3302, 0.3281)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFE5E6
RGB	255, 229, 230
RGB Percent	100%, 90%, 90%
CMY	0.0000, 0.1019, 0.0982
CMYK	0.00, 0.10, 0.10, 0.00
HSL	358°, 100%, 95%
HSV	358°, 10%, 100%
XYZ	83.5431, 83.0118, 86.4527
YIQ	236.8880, 15.1750, 5.8230

# Conversions

## Conversions Part 2

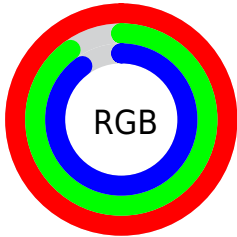
Format	Color
R <sub>Y</sub> B	255, 229, 230
Decimal	16770534
CIE Lab	93.02, 9.04, 2.77
CIE LCh	93, 9.456, 17.014
Yxy	83.0118, 0.3302, 0.3281
Android (android.graphics.Color)	4294960614 (0xFFFE5E6)
YUV	236.8880, -3.3958, 15.8842
Hunter-Lab	91.1108, 4.2298, 7.5188

# Details

The Yxy color **83.0118, 0.3302, 0.3281** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95.3370, 0.2975, 0.3299**, and the grayscale version is **84.6126, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.3730, 0.3335, 0.3278** is the 20% darker color. If you saturate the color by 10%, you get **68.6372, 0.3517, 0.3272**, and if you desaturate by 10%, it is **99.6528, 0.3130, 0.3290**.

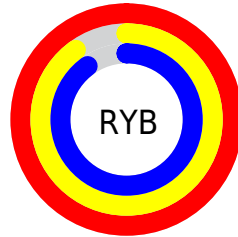
# Distribution



Red (100%)

Green (90%)

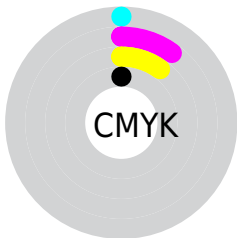
Blue (90%)



Red (100%)

Yellow (90%)

Blue (90%)

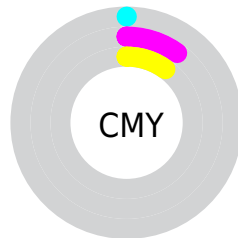


Cyan (0%)

Magenta (10%)

Yellow (10%)

Black (0%)



Cyan (0%)

Magenta (10%)


Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.0118, 0.3302, 0.3281 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 83.0118, 0.3302, 0.3281 by changing the saturation by 10% instead.



 83.0118, 0.3302,  
0.3281

 83.0118, 0.3302,  
0.3281


505.0258, 0.3223,  
0.3286

 62.1999, 0.3320,  
0.3280

137.5920, 0.3275,  
0.3283

 45.1942, 0.3342,  
0.3278


172.1291, 0.3264,  
0.3283

 31.6104, 0.3369,  
0.3277

212.0100, 0.3255,  
0.3284

 21.0641, 0.3404,  
0.3274

257.6191, 0.3247,  
0.3284

 13.1709, 0.3452,  
0.3270

309.3408, 0.3240,  
0.3285

 7.5463, 0.3519,  
0.3265

367.5596, 0.3233,

 3.8061, 0.3620,

0.3285

0.3255

432.6598, 0.3228,  
0.3285

■ 1.5657, 0.3793,  
0.3236

■ 0.3343, 0.5161,  
0.3204

■ 83.0118, 0.3302,  
0.3281

■ 83.0118, 0.3302,  
0.3281

■ 68.6372, 0.3517,  
0.3272

99.6528, 0.3130,  
0.3290

■ 56.4318, 0.3786,  
0.3262

100.0000, 0.3127,  
0.3290

■ 46.2900, 0.4117,  
0.3253

■ 38.0979, 0.4514,  
0.3246

■ 31.7303, 0.4967,  
0.3243

■ 27.0477, 0.5443,  
0.3245

■ 23.8903, 0.5881,  
0.3255

■ 22.0679, 0.6206,  
0.3271

■ 21.2806, 0.6375,  
0.3285

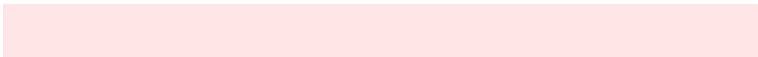
# Harmonies

## Analogous

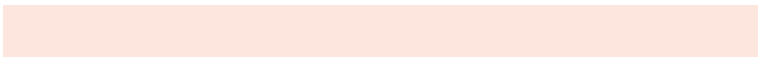
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0118, 0.3215, 0.3191



83.0118, 0.3302, 0.3281



83.0118, 0.3342, 0.3375

# Triad

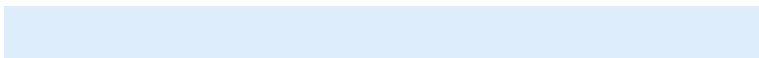
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.0118, 0.3302, 0.3281



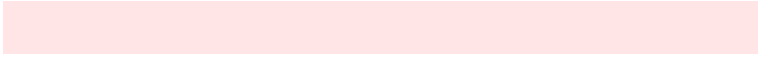
83.0118, 0.3146, 0.3461



83.0118, 0.2935, 0.3130

# Complementary

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



83.0118, 0.3302, 0.3281



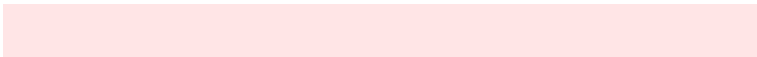
95.3370, 0.2975, 0.3299

# 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.



83.0118, 0.2918, 0.3200



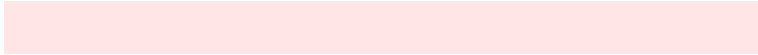
83.0118, 0.3302, 0.3281



83.0118, 0.3038, 0.3392

# Square

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



83.0118, 0.3302, 0.3281



83.0118, 0.3250, 0.3481



83.0118, 0.2955, 0.3296



83.0118, 0.3003, 0.3105

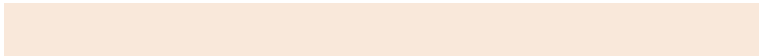


# Rectangle

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



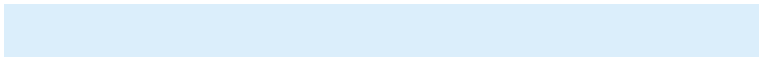
83.0118, 0.3302, 0.3281



83.0118, 0.3335, 0.3428



83.0118, 0.2955, 0.3296



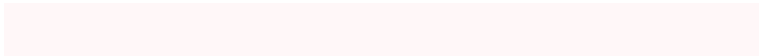
83.0118, 0.2923, 0.3149

# Sweetspot

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



83.0115, 0.3302, 0.3281



94.7503, 0.3174, 0.3287



84.2748, 0.3130, 0.3038



19.9878, 0.3188, 0.3287



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

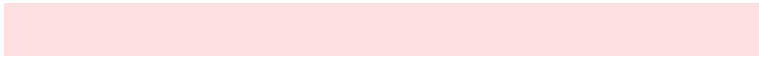


# Same Dimension

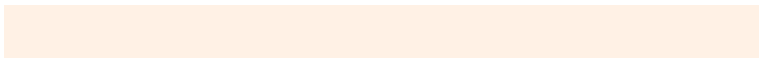
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0115, 0.3302, 0.3281



80.2516, 0.3337, 0.3279



89.6516, 0.3295, 0.3405



17.9979, 0.3289, 0.3282



11.1242, 0.6364, 0.3279



1.0868, 0.6276, 0.3231



# Inverse Universe

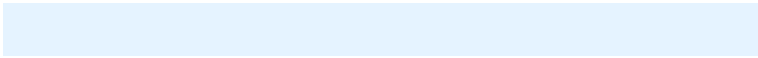
The Inverse Universe completely reimagines the original color for something new.



83.0115, 0.3302, 0.3281



80.2516, 0.3337, 0.3279



88.1604, 0.2968, 0.3172



17.9979, 0.3289, 0.3282



11.1242, 0.6364, 0.3279

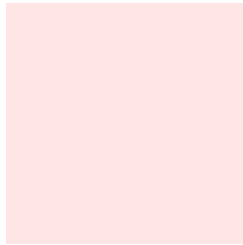


1.0868, 0.6276, 0.3231



# Previews

## White Background



This preview shows how the Yxy color 83.0118, 0.3302, 0.3281 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

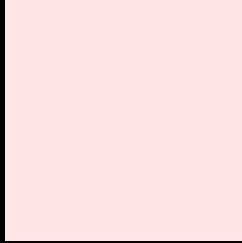
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.0118, 0.3302, 0.3281 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

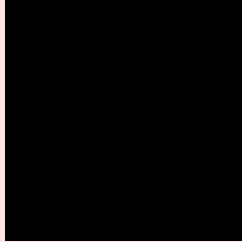
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

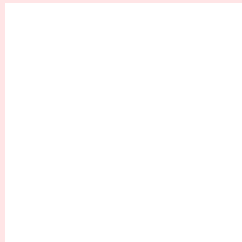
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.0118, 0.3302, 0.3281**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.0118, 0.3302, 0.3281.

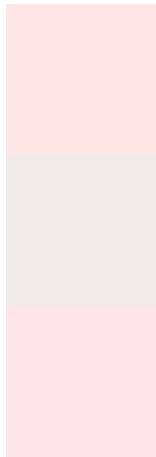


This preview shows how white text looks on a background with the Yxy color 83.0118, 0.3302, 0.3281.

# 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

83.0118, 0.3302, 0.3281

### Protanopia

83.2541, 0.3174, 0.3300

### Deuteranopia

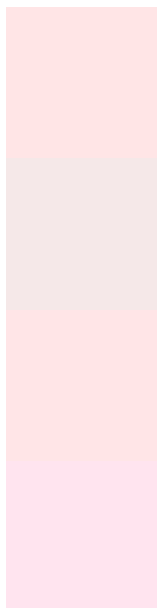
83.0681, 0.3295, 0.3271



## Tritanopia

83.2785, 0.3210, 0.3134

# Trichromacy



## Original Color

83.0118, 0.3302, 0.3281

## Protanomaly

82.9519, 0.3216, 0.3290

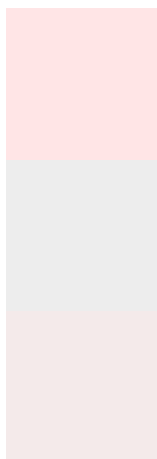
## Deuteranomaly

83.0681, 0.3295, 0.3271

## Tritanomaly

82.9788, 0.3243, 0.3182

# Monochromacy



## Original Color

83.0118, 0.3302, 0.3281

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

84.0192, 0.3195, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.0118, 0.3302, 0.3281 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, 229, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 230)  
}
```

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, 229, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 230) }
```

## Border

The CSS property to change the border of an element to Yxy 83.0118, 0.3302, 0.3281 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, 229, 230) }
```

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

```
.border{ border-color:rgb(255, 229, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 229, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
230) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.0118, 0.3302, 0.3281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 230) }
```

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

```
.background{ background-color: rgb(255,  
229, 230) }
```

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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