

# Converting Colors

$Y_{xy}(83.7137, 0.3229, 0.3173)$

Have a look what the booklet for  
Yxy(83.7137, 0.3229, 0.3173)  
contains.

<b>Yxy(83.6495, 0.3229, 0.3173)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(83.6495, 0.3229, 0.3173)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE5F1
RGB	255, 229, 241
RGB Percent	100%, 90%, 95%
CMY	0.0001, 0.1019, 0.0550
CMYK	0.00, 0.10, 0.05, 0.00
HSL	332°, 100%, 95%
HSV	332°, 10%, 100%
XYZ	85.1258, 83.6495, 94.8537
YIQ	238.1420, 11.6440, 9.2440

# Conversions

## Conversions Part 2

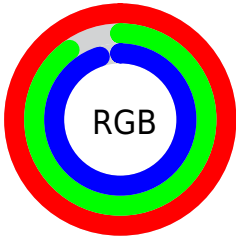
Format	Color
R <sub>Y</sub> B	255, 229, 241
Decimal	16770545
CIE Lab	93.30, 10.85, -2.57
CIE LCh	93, 11.147, 346.684
Yxy	83.6495, 0.3229, 0.3173
Android (android.graphics.Color)	4294960625 (0xFFFFE5F1)
YUV	238.1420, 1.4090, 14.7845
Hunter-Lab	91.4601, 6.0824, 2.5321

# Details

The Yxy color  $83.6495, 0.3229, 0.3173$  is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be  $94.6382, 0.3036, 0.3410$ , and the grayscale version is  $85.5971, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $45.7807, 0.3249, 0.3153$  is the 20% darker color. If you saturate the color by 10%, you get  $69.7714, 0.3351, 0.3052$ , and if you desaturate by 10%, it is  $99.6693, 0.3129, 0.3288$ .

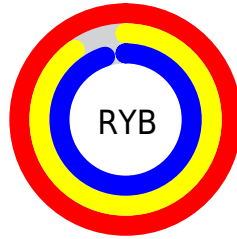
# Distribution



Red (100%)

Green (90%)

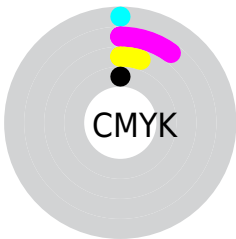
Blue (95%)



Red (100%)

Yellow (90%)

Blue (95%)

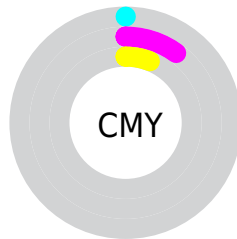


Cyan (0%)

Magenta (10%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (10%)


Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.6495, 0.3229, 0.3173 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 83.6495, 0.3229, 0.3173 by changing the saturation by 10% instead.




 83.6495, 0.3229,  
0.3173

 83.6495, 0.3229,  
0.3173

507.1486, 0.3183,  
0.3225

 62.7261, 0.3239,  
0.3161


138.4848, 0.3213,  
0.3191

 45.6197, 0.3252,  
0.3147


173.1654, 0.3207,  
0.3198

 31.9458, 0.3267,  
0.3130

213.2006, 0.3202,  
0.3204

 21.3201, 0.3287,  
0.3107

258.9748, 0.3197,  
0.3209

 13.3582, 0.3313,  
0.3077

310.8722, 0.3193,  
0.3214

 7.6757, 0.3350,  
0.3036

369.2774, 0.3190,

 3.8881, 0.3405,

0.3218

0.2974

434.5748, 0.3186,  
0.3222

■ 1.6112, 0.3497,  
0.2873

■ 0.3651, 0.3937,  
0.2350

■ 83.6495, 0.3229,  
0.3173

■ 83.6495, 0.3229,  
0.3173

■ 69.7714, 0.3351,  
0.3052

99.6693, 0.3129,  
0.3288

■ 57.9326, 0.3497,  
0.2927

99.9955, 0.3127,  
0.3290

■ 48.0388, 0.3672,  
0.2803

■ 39.9839, 0.3877,  
0.2688

■ 33.6516, 0.4112,  
0.2591

■ 28.9121, 0.4372,  
0.2527

■ 25.6167, 0.4646,  
0.2507

■ 23.5885, 0.4919,  
0.2541

■ 22.5492, 0.5172,  
0.2623

# Harmonies

## Analogous

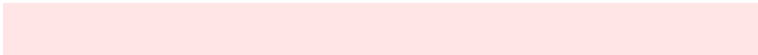
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.6495, 0.3100, 0.3099



83.6495, 0.3229, 0.3173



83.6495, 0.3332, 0.3278

# Triad

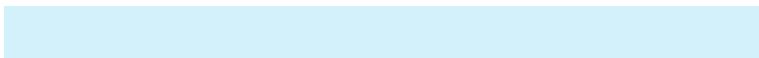
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6495, 0.3229, 0.3173



83.6495, 0.3273, 0.3515



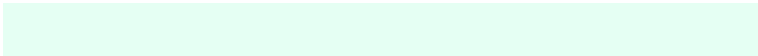
83.6495, 0.2882, 0.3184

# Complementary

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



83.6495, 0.3229, 0.3173



94.6382, 0.3036, 0.3410

# Split Complementary

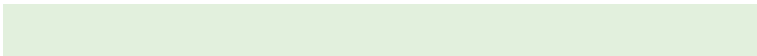
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.6495, 0.2926, 0.3298



83.6495, 0.3229, 0.3173



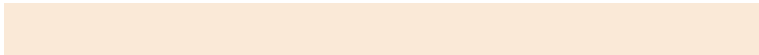
83.6495, 0.3150, 0.3492

# Square

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



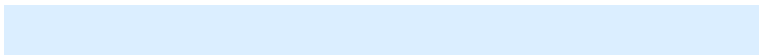
83.6495, 0.3229, 0.3173



83.6495, 0.3357, 0.3475



83.6495, 0.3024, 0.3412



83.6495, 0.2901, 0.3103

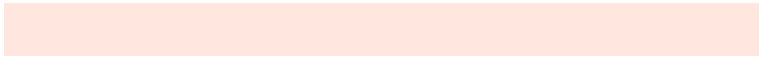


# Rectangle

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



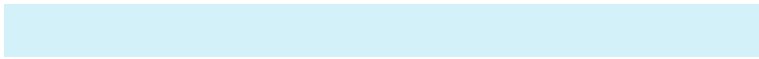
83.6495, 0.3229, 0.3173



83.6495, 0.3371, 0.3352



83.6495, 0.3024, 0.3412



83.6495, 0.2889, 0.3220

# Sweetspot

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



83.6532, 0.3229, 0.3173



94.9528, 0.3155, 0.3256



82.2973, 0.3058, 0.3033



20.0423, 0.3163, 0.3247



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

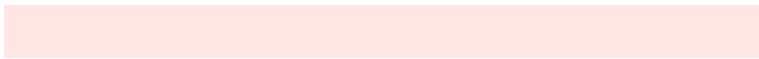
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6532, 0.3229, 0.3173



80.9884, 0.3249, 0.3151



83.4423, 0.3307, 0.3299



18.1262, 0.3222, 0.3181



11.8143, 0.5132, 0.2601



1.1721, 0.4857, 0.2449



# Inverse Universe

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



83.6532, 0.3229, 0.3173



80.9884, 0.3249, 0.3151



94.8334, 0.2970, 0.3281



18.1262, 0.3222, 0.3181



11.8143, 0.5132, 0.2601

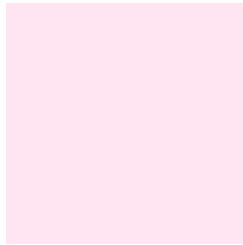


1.1721, 0.4857, 0.2449



# Previews

## White Background



This preview shows how the Yxy color 83.6495, 0.3229, 0.3173 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

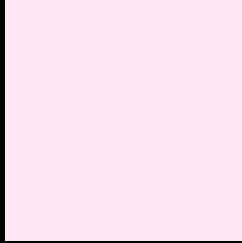
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.6495, 0.3229, 0.3173 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

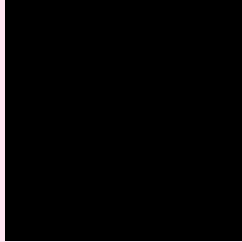
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 83.6495, 0.3229, 0.3173**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.6495, 0.3229, 0.3173.

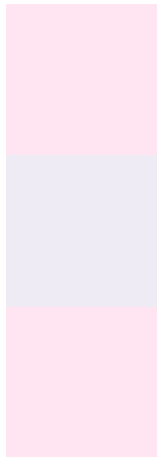


This preview shows how white text looks on a background with the Yxy color 83.6495, 0.3229, 0.3173.

# 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

83.6495, 0.3229, 0.3173

### Protanopia

84.1255, 0.3092, 0.3199

### Deuteranopia

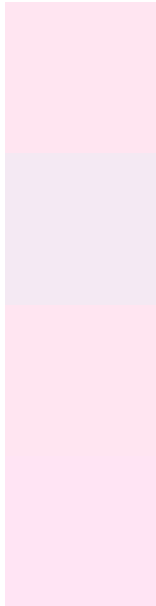
83.6495, 0.3229, 0.3173



## Tritanopia

83.4006, 0.3197, 0.3114

# Trichromacy



## Original Color

83.6495, 0.3229, 0.3173

## Protanomaly

83.9820, 0.3139, 0.3190

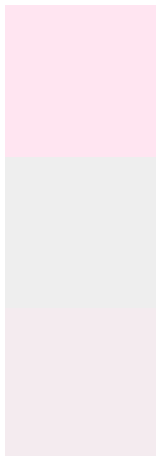
## Deuteranomaly

83.6495, 0.3229, 0.3173

## Tritanomaly

83.2785, 0.3210, 0.3134

# Monochromacy



## Original Color

83.6495, 0.3229, 0.3173

## Achromatopsia

85.4993, 0.3127, 0.3290

## Achromatomaly

84.8818, 0.3163, 0.3250

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.6495, 0.3229, 0.3173 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, 241)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 241)  
}
```

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, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 241) }
```

## Border

The CSS property to change the border of an element to Yxy 83.6495, 0.3229, 0.3173 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, 241) }
```

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

```
.border{ border-color:rgb(255, 229, 241) }
```

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, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 229, 241); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 229, 241); box-shadow:4px 4px 4px 4px rgb(255, 229, 241) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.6495, 0.3229, 0.3173 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, 241) }
```

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

```
.background{ background-color: rgb(255,  
229, 241) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor