

# Converting Colors

$Y_{xy}(100.0000, 0.3674, 0.3191)$

Have a look what the booklet for  
Yxy(100.0000, 0.3674, 0.3191)  
contains.

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# Color

**Yxy(84.8829, 0.3214, 0.3173)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE7F3
RGB	255, 231, 243
RGB Percent	100%, 91%, 95%
CMY	0.0002, 0.0940, 0.0470
CMYK	0.00, 0.09, 0.05, 0.00
HSL	330°, 100%, 95%
HSV	330°, 9%, 100%
XYZ	85.9797, 84.8829, 96.6536
YIQ	239.5440, 10.4520, 8.8200

# Conversions

## Conversions Part 2

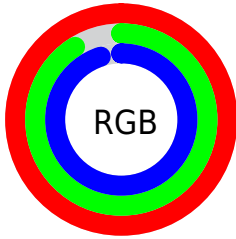
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 231, 243
Decimal	16771059
CIE <sub>Lab</sub>	93.83, 10.15, -2.85
CIE <sub>LCh</sub>	94, 10.541, 344.334
Yxy	84.8829, 0.3214, 0.3173
Android (android.graphics.Color)	4294961139 (0xFFFFE7F3)
YUV	239.5440, 1.7038, 13.5549
Hunter-Lab	92.1319, 5.3496, 2.2925

# Details

The Yxy color **84.8829, 0.3214, 0.3173** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **94.9474, 0.3048, 0.3410**, and the grayscale version is **86.7413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.2536, 0.3231, 0.3141** is the 20% darker color. If you saturate the color by 10%, you get **70.8955, 0.3325, 0.3042**, and if you desaturate by 10%, it is **99.9899, 0.3127, 0.3290**.

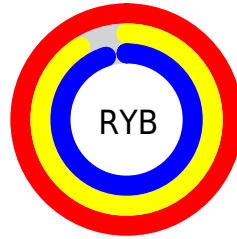
# Distribution



Red (100%)

Green (91%)

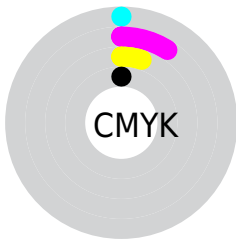
Blue (95%)



Red (100%)

Yellow (91%)

Blue (95%)

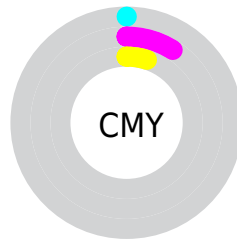


Cyan (0%)

Magenta (9%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (9%)


Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.8829, 0.3214, 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 84.8829, 0.3214, 0.3173 by changing the saturation by 10% instead.




 84.8829, 0.3214,  
0.3173

 84.8829, 0.3214,  
0.3173


511.2405, 0.3175,  
0.3225

 63.7446, 0.3223,  
0.3161

140.2096, 0.3201,  
0.3191

 46.4439, 0.3233,  
0.3147


175.1667, 0.3196,  
0.3198

 32.5962, 0.3246,  
0.3130


215.4990, 0.3191,  
0.3204

 21.8173, 0.3263,  
0.3108

261.5908, 0.3187,  
0.3209

 13.7227, 0.3285,  
0.3078

313.8264, 0.3184,  
0.3214

 7.9281, 0.3316,  
0.3037

372.5903, 0.3180,

 4.0490, 0.3362,

0.3218

0.2977

438.2669, 0.3178,  
0.3222

■ 1.7010, 0.3437,  
0.2879

■ 0.4243, 0.3750,  
0.2444

■ 84.8829, 0.3214,  
0.3173

■ 84.8829, 0.3214,  
0.3173

■ 70.8955, 0.3325,  
0.3042

99.9899, 0.3127,  
0.3290

■ 58.9457, 0.3459,  
0.2906

■ 48.9402, 0.3617,  
0.2772

■ 40.7738, 0.3803,  
0.2646

■ 34.3315, 0.4015,  
0.2538

■ 29.4851, 0.4248,  
0.2461

■ 26.0883, 0.4496,  
0.2428

■ 23.9673, 0.4744,  
0.2449

■ 22.8565, 0.4982,  
0.2521

# Harmonies

## Analogous

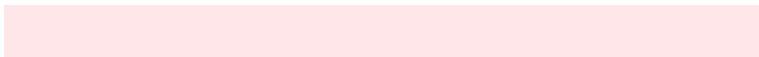
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8829, 0.3092, 0.3106



84.8829, 0.3214, 0.3173



84.8829, 0.3314, 0.3270

# Triad

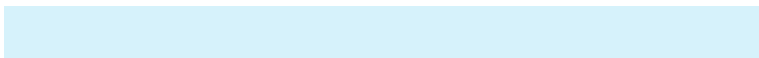
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.8829, 0.3214, 0.3173



84.8829, 0.3272, 0.3500



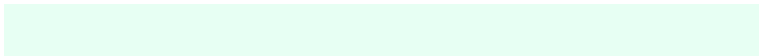
84.8829, 0.2897, 0.3198

# Complementary

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



84.8829, 0.3214, 0.3173



94.9474, 0.3048, 0.3410

# Split Complementary

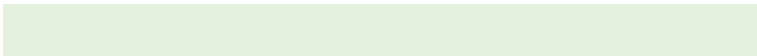
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.8829, 0.2943, 0.3306



84.8829, 0.3214, 0.3173



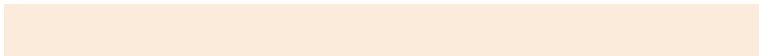
84.8829, 0.3159, 0.3484

# Square

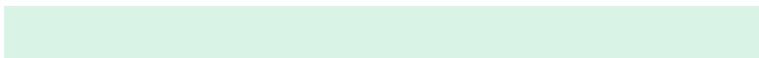
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



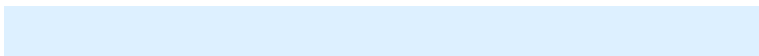
84.8829, 0.3214, 0.3173



84.8829, 0.3348, 0.3459



84.8829, 0.3039, 0.3412



84.8829, 0.2911, 0.3118

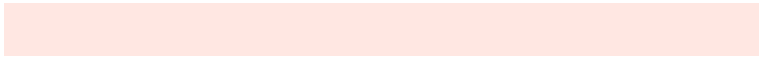


# Rectangle

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



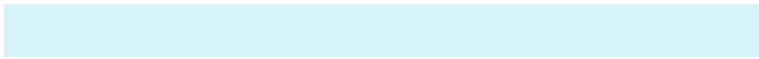
84.8829, 0.3214, 0.3173



84.8829, 0.3354, 0.3341



84.8829, 0.3039, 0.3412



84.8829, 0.2906, 0.3232

# Sweetspot

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



84.8866, 0.3214, 0.3173



94.9724, 0.3153, 0.3253



83.3628, 0.3056, 0.3053



20.0475, 0.3160, 0.3243



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

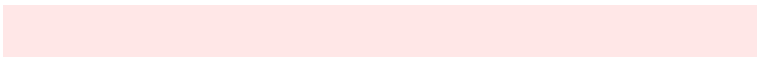
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.8866, 0.3214, 0.3173



82.5220, 0.3231, 0.3152



84.2083, 0.3290, 0.3287



18.1389, 0.3215, 0.3171



11.9502, 0.4960, 0.2506



1.1856, 0.4706, 0.2366



# Inverse Universe

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



84.8866, 0.3214, 0.3173



82.5220, 0.3231, 0.3152



95.6697, 0.2984, 0.3294



18.1389, 0.3215, 0.3171



11.9502, 0.4960, 0.2506

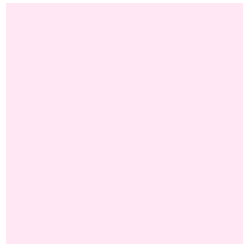


1.1856, 0.4706, 0.2366



# Previews

## White Background



This preview shows how the Yxy color 84.8829, 0.3214, 0.3173 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

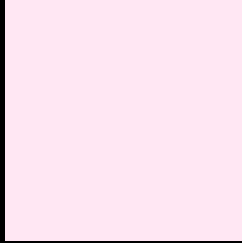
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.8829, 0.3214, 0.3173 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

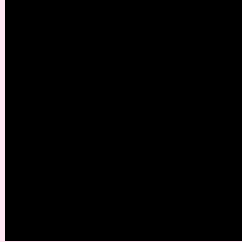
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.8829, 0.3214, 0.3173**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.8829, 0.3214, 0.3173.

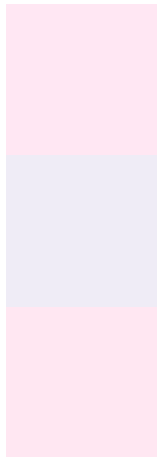


This preview shows how white text looks on a background with the Yxy color 84.8829, 0.3214, 0.3173.

# 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

84.8829, 0.3214, 0.3173

### Protanopia

84.9954, 0.3086, 0.3190

### Deuteranopia

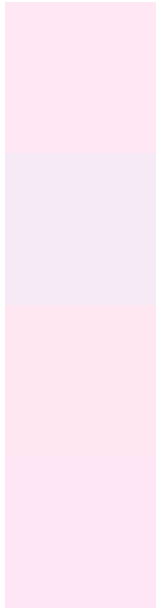
84.8226, 0.3221, 0.3183



## Tritanopia

84.6309, 0.3183, 0.3115

# Trichromacy



## Original Color

84.8829, 0.3214, 0.3173

## Protanomaly

84.8507, 0.3132, 0.3181

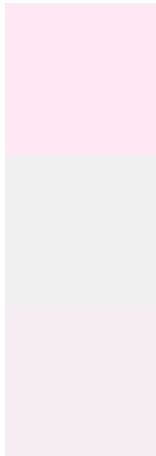
## Deuteranomaly

84.8226, 0.3221, 0.3183

## Tritanomaly

84.5074, 0.3196, 0.3134

# Monochromacy



## Original Color

84.8829, 0.3214, 0.3173

## Achromatopsia

87.1367, 0.3127, 0.3290

## Achromatomaly

86.3317, 0.3156, 0.3250

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.8829, 0.3214, 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, 231, 243)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 243)  
}
```

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, 231, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 84.8829, 0.3214, 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, 231, 243) }
```

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

```
.border{ border-color:rgb(255, 231, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 231, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 243);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
243) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.8829, 0.3214, 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, 231, 243) }
```

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

```
.background{ background-color: rgb(255,  
231, 243) }
```

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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