

# Converting Colors

$Y_{xy}(100.0000, 0.3793, 0.3365)$

Have a look what the booklet for  
Yxy(100.0000, 0.3793, 0.3365)  
contains.

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# Color

**Yxy(84.9741, 0.3330, 0.3370)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE9E1
RGB	255, 233, 225
RGB Percent	100%, 91%, 88%
CMY	0.0001, 0.0862, 0.1176
CMYK	0.00, 0.09, 0.12, 0.00
HSL	16°, 100%, 94%
HSV	16°, 12%, 100%
XYZ	83.9655, 84.9741, 83.2091
YIQ	238.6660, 15.6800, 2.1760

# Conversions

## Conversions Part 2

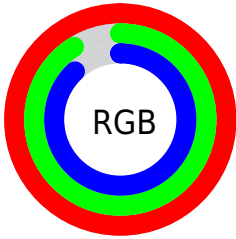
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 236, 225
Decimal	16771553
CIE Lab	93.87, 6.17, 6.58
CIE LCh	94, 9.025, 46.832
Yxy	84.9741, 0.3330, 0.3370
Android (android.graphics.Color)	4294961633 (0xFFFFE9E1)
YUV	238.6660, -6.7373, 14.3249
Hunter-Lab	92.1814, 1.2733, 11.0079

# Details

The Yxy color **84.9741, 0.3330, 0.3370** is a light color, and the websafe version is hex FFFFFF. A complement of this color would be **89.7334, 0.2945, 0.3209**, and the grayscale version is **86.0888, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.3523, 0.3373, 0.3379** is the 20% darker color. If you saturate the color by 10%, you get **73.6619, 0.3540, 0.3443**, and if you desaturate by 10%, it is **97.6221, 0.3155, 0.3302**.

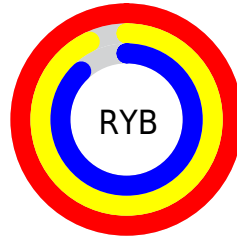
# Distribution



Red (100%)

Green (91%)

Blue (88%)



Red (100%)

Yellow (93%)

Blue (88%)

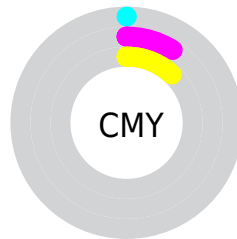


Cyan (0%)

Magenta (9%)

Yellow (12%)

Black (0%)



Cyan (0%)

Magenta (9%)


Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.9741, 0.3330, 0.3370 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 84.9741, 0.3330, 0.3370 by changing the saturation by 10% instead.




 84.9741, 0.3330,  
0.3370

 84.9741, 0.3330,  
0.3370


511.5424, 0.3238,  
0.3335

 63.8200, 0.3350,  
0.3378


140.3370, 0.3299,  
0.3358

 46.5049, 0.3376,  
0.3387


175.3145, 0.3286,  
0.3353

 32.6444, 0.3407,  
0.3398


215.6687, 0.3276,  
0.3349

 21.8542, 0.3447,  
0.3413

261.7839, 0.3266,  
0.3346

 13.7498, 0.3502,  
0.3432

314.0444, 0.3258,  
0.3342

 7.9469, 0.3578,  
0.3458

372.8348, 0.3251,

 4.0610, 0.3692,

0.3340

0.3494

438.5393, 0.3244,  
0.3337

■ 1.7077, 0.3884,  
0.3551

■ 0.4286, 0.5619,  
0.4315

■ 84.9741, 0.3330,  
0.3370

■ 84.9741, 0.3330,  
0.3370

■ 73.6619, 0.3540,  
0.3443

■ 97.6221, 0.3155,  
0.3302

■ 63.6303, 0.3789,  
0.3518

99.9975, 0.3127,  
0.3290

■ 54.8366, 0.4082,  
0.3591

■ 47.2318, 0.4419,  
0.3657

■ 40.7631, 0.4793,  
0.3705

■ 35.3739, 0.5184,  
0.3725

■ 31.0019, 0.5558,  
0.3705

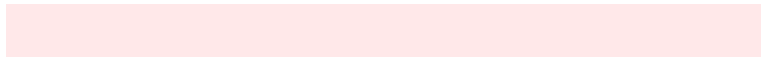
■ 27.5778, 0.5874,  
0.3640

■ 25.4064, 0.6071,  
0.3561

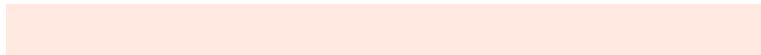
# Harmonies

## Analogous

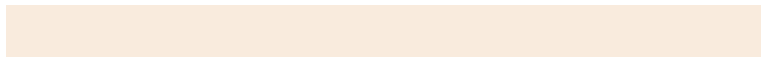
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.9741, 0.3292, 0.3281



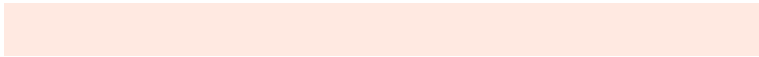
84.9741, 0.3330, 0.3370



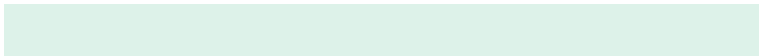
84.9741, 0.3312, 0.3440

# Triad

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



84.9741, 0.3330, 0.3370



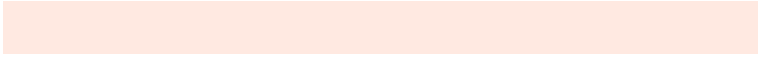
84.9741, 0.3044, 0.3387



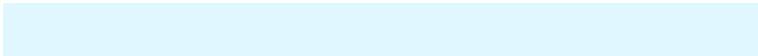
84.9741, 0.3009, 0.3114

# Complementary

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



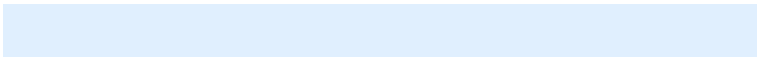
84.9741, 0.3330, 0.3370



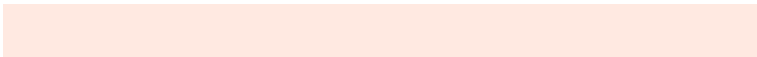
89.7334, 0.2945, 0.3209

# 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.



84.9741, 0.2945, 0.3139



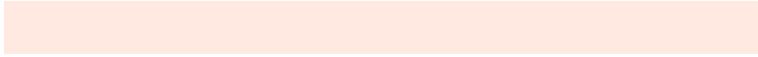
84.9741, 0.3330, 0.3370



84.9741, 0.2964, 0.3296

# Square

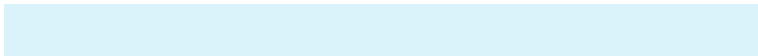
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.9741, 0.3330, 0.3370



84.9741, 0.3146, 0.3452



84.9741, 0.2929, 0.3205

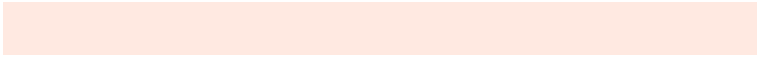


84.9741, 0.3106, 0.3135



# Rectangle

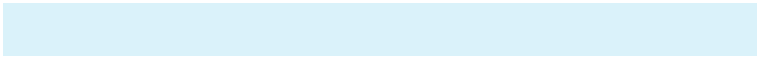
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.9741, 0.3330, 0.3370



84.9741, 0.3272, 0.3466



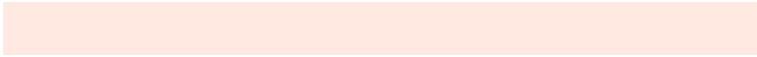
84.9741, 0.2929, 0.3205



84.9741, 0.2983, 0.3117

# Sweetspot

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



84.9779, 0.3330, 0.3370



94.6834, 0.3191, 0.3316



81.8227, 0.3193, 0.3075



20.0574, 0.3204, 0.3322



0.0000, 0.0000, 0.0000

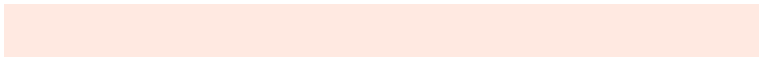


21.4041, 0.3127, 0.3290

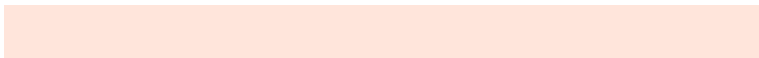


# Same Dimension

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



84.9779, 0.3330, 0.3370



82.3390, 0.3374, 0.3386



93.8224, 0.3312, 0.3515



18.7763, 0.3288, 0.3354



13.4846, 0.6043, 0.3584

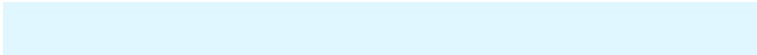


1.4835, 0.5824, 0.3758

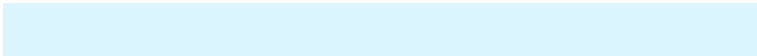


# Inverse Universe

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



89.7334, 0.2945, 0.3209



87.9117, 0.2910, 0.3192



80.9382, 0.2942, 0.3054



19.6121, 0.2980, 0.3225



22.5746, 0.1999, 0.2396

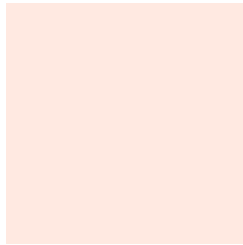


2.3780, 0.2031, 0.2510



# Previews

## White Background



This preview shows how the Yxy color 84.9741, 0.3330, 0.3370 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

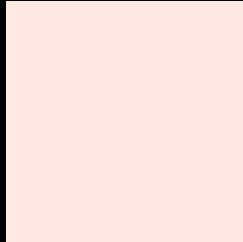
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.9741, 0.3330, 0.3370 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

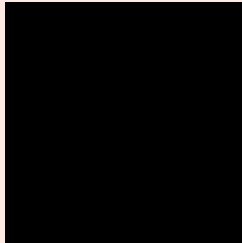
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

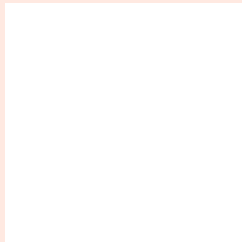
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.9741, 0.3330, 0.3370**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.9741, 0.3330, 0.3370.

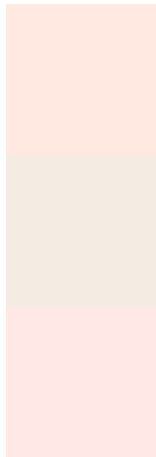


This preview shows how white text looks on a background with the Yxy color 84.9741, 0.3330, 0.3370.

# 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

84.9741, 0.3330, 0.3370

### Protanopia

84.7701, 0.3238, 0.3381

### Deuteranopia

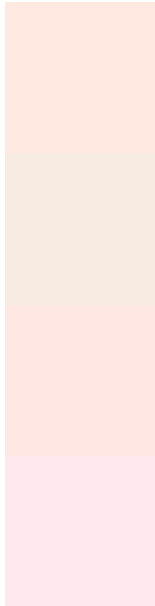
84.6864, 0.3298, 0.3310



## Tritanopia

85.0656, 0.3195, 0.3144

# Trichromacy



## Original Color

84.9741, 0.3330, 0.3370

## Protanomaly

84.8641, 0.3273, 0.3381

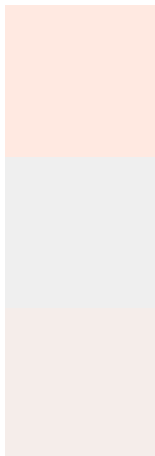
## Deuteranomaly

84.5747, 0.3311, 0.3330

## Tritanomaly

85.1463, 0.3246, 0.3231

# Monochromacy



## Original Color

84.9741, 0.3330, 0.3370

## Achromatopsia

86.3157, 0.3127, 0.3290

## Achromatomaly

85.9214, 0.3199, 0.3320

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.9741, 0.3330, 0.3370 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, 233, 225)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 225)  
}
```

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, 233, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 225) }
```

## Border

The CSS property to change the border of an element to Yxy 84.9741, 0.3330, 0.3370 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, 233, 225) }
```

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

```
.border{ border-color:rgb(255, 233, 225) }
```

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

Here you see how a box with a 4 pixel rgb(255, 233, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 225);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
225) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.9741, 0.3330, 0.3370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 225) }
```

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

```
.background{ background-color: rgb(255,  
233, 225) }
```

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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