

# Converting Colors

$Y_{xy}(83.3622, 0.3332, 0.3371)$

Have a look what the booklet for  
Yxy(83.3622, 0.3332, 0.3371)  
contains.

<b>Yxy(83.3622, 0.3332, 0.3371)</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(83.3622, 0.3332, 0.3371)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDE7DF
RGB	253, 231, 223
RGB Percent	99%, 91%, 87%
CMY	0.0079, 0.0941, 0.1256
CMYK	0.00, 0.09, 0.12, 0.01
HSL	16°, 88%, 93%
HSV	16°, 12%, 99%
XYZ	82.3978, 83.3622, 81.5322
YIQ	236.6660, 15.6800, 2.1760

# Conversions

## Conversions Part 2

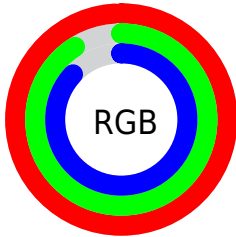
Format	Color
R <sub>Y</sub> B	253, 234, 223
Decimal	16639967
CIE Lab	93.17, 6.18, 6.61
CIE LCh	93, 9.054, 46.926
Yxy	83.3622, 0.3332, 0.3371
Android (android.graphics.Color)	4294830047 (0xFFFDE7DF)
YUV	236.6660, -6.7373, 14.3249
Hunter-Lab	91.3029, 1.3101, 10.9669

# Details

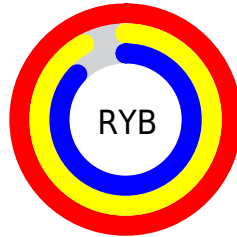
The Yxy color **83.3622, 0.3332, 0.3371** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **88.0469, 0.2943, 0.3208**, and the grayscale version is **84.4620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.2229, 0.3376, 0.3380** is the 20% darker color. If you saturate the color by 10%, you get **72.2769, 0.3542, 0.3444**, and if you desaturate by 10%, it is **95.7557, 0.3157, 0.3302**.

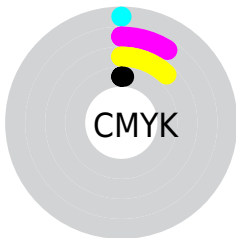
# Distribution



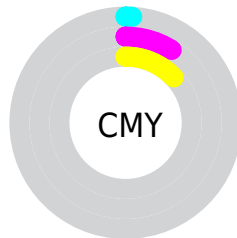
- Red (99%)
- Green (91%)
- Blue (87%)



- Red (99%)
- Yellow (92%)
- Blue (87%)



- Cyan (0%)
- Magenta (9%)
- Yellow (12%)
- Black (1%)




- Cyan (1%)
- Magenta (9%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.3622, 0.3332, 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 83.3622, 0.3332, 0.3371 by changing the saturation by 10% instead.



 83.3622, 0.3332,  
0.3371

 83.3622, 0.3332,  
0.3371

506.1928, 0.3239,  
0.3335

 62.4890, 0.3353,  
0.3379


138.0826, 0.3300,  
0.3359

 45.4279, 0.3378,  
0.3388


172.6987, 0.3288,  
0.3354

 31.7946, 0.3410,  
0.3400


212.6644, 0.3277,  
0.3350

 21.2047, 0.3452,  
0.3415


258.3643, 0.3267,  
0.3346

 13.2737, 0.3507,  
0.3434

310.1827, 0.3259,  
0.3343

 7.6173, 0.3586,  
0.3461

368.5039, 0.3252,

 3.8511, 0.3704,

0.3340

0.3499

433.7125, 0.3245,  
0.3338

■ 1.5906, 0.3905,  
0.3557

■ 0.3512, 0.5799,  
0.4201

■ 83.3622, 0.3332,  
0.3371

■ 83.3622, 0.3332,  
0.3371

■ 72.2769, 0.3542,  
0.3444

■ 95.7557, 0.3157,  
0.3302

■ 62.4457, 0.3791,  
0.3519

■ 99.6220, 0.3115,  
0.3290

■ 53.8269, 0.4085,  
0.3593

■ 46.3725, 0.4422,  
0.3658

■ 40.0308, 0.4795,  
0.3707

■ 34.7464, 0.5185,  
0.3726

■ 30.4583, 0.5559,  
0.3706

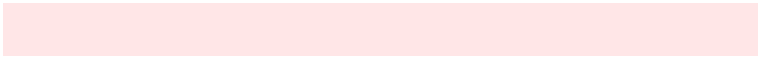
■ 27.0987, 0.5874,  
0.3641

■ 24.9920, 0.6069,  
0.3563

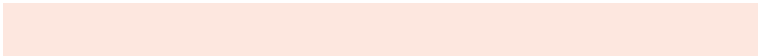
# Harmonies

## Analogous

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



83.3622, 0.3294, 0.3281



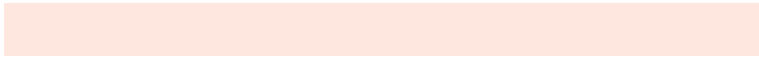
83.3622, 0.3332, 0.3371



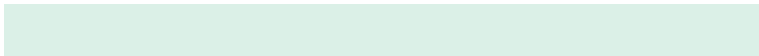
83.3622, 0.3314, 0.3441

# Triad

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



83.3622, 0.3332, 0.3371



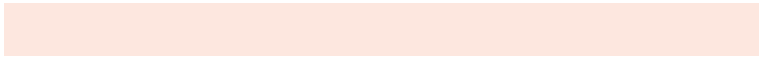
83.3622, 0.3042, 0.3388



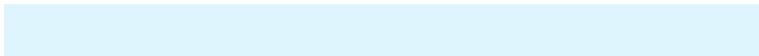
83.3622, 0.3008, 0.3113

# Complementary

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



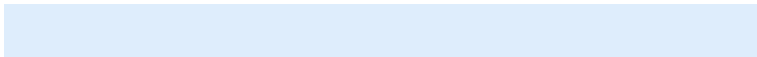
83.3622, 0.3332, 0.3371



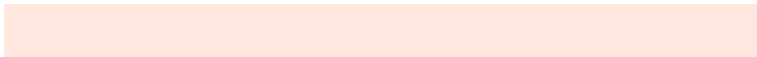
88.0469, 0.2943, 0.3208

# 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.



83.3622, 0.2943, 0.3137



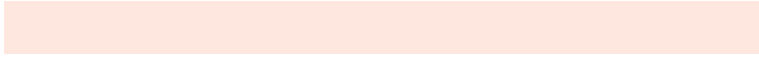
83.3622, 0.3332, 0.3371



83.3622, 0.2963, 0.3296

# Square

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



83.3622, 0.3332, 0.3371



83.3622, 0.3146, 0.3453



83.3622, 0.2927, 0.3204

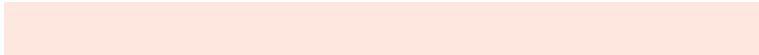


83.3622, 0.3106, 0.3134



# Rectangle

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



83.3622, 0.3332, 0.3371



83.3622, 0.3273, 0.3467



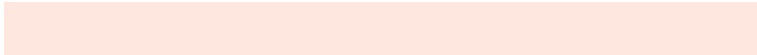
83.3622, 0.2927, 0.3204



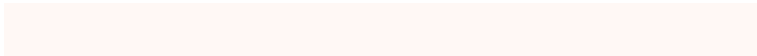
83.3622, 0.2982, 0.3116

# Sweetspot

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



83.3659, 0.3332, 0.3371



94.6886, 0.3191, 0.3317



80.2292, 0.3193, 0.3073



20.0587, 0.3204, 0.3322



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

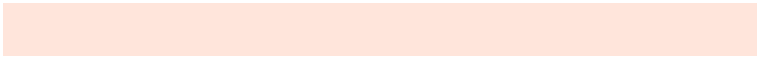


# Same Dimension

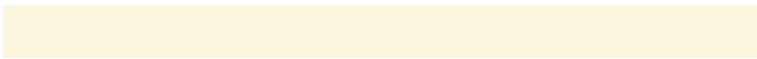
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.3659, 0.3332, 0.3371



82.3554, 0.3374, 0.3386



92.1122, 0.3314, 0.3517



18.7788, 0.3288, 0.3354



13.4986, 0.6041, 0.3585

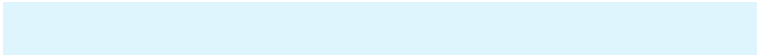


1.4851, 0.5822, 0.3759

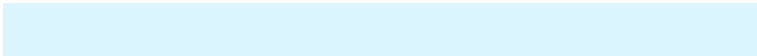


# Inverse Universe

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



88.0469, 0.2943, 0.3208



87.8937, 0.2910, 0.3192



79.3510, 0.2940, 0.3052



19.6094, 0.2980, 0.3225



22.5280, 0.1998, 0.2393

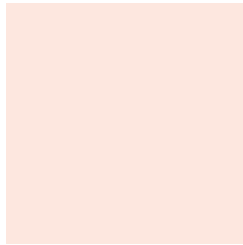


2.3737, 0.2030, 0.2508



# Previews

## White Background



This preview shows how the Yxy color 83.3622, 0.3332, 0.3371 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

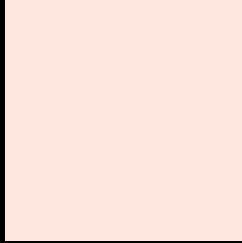
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.3622, 0.3332, 0.3371 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

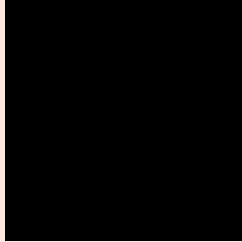
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

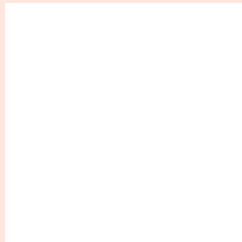
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.3622, 0.3332, 0.3371**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.3622, 0.3332, 0.3371.

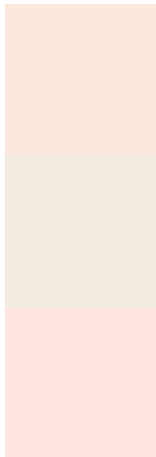


This preview shows how white text looks on a background with the Yxy color 83.3622, 0.3332, 0.3371.

# 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

83.3622, 0.3332, 0.3371

### Protanopia

83.7301, 0.3238, 0.3392

### Deuteranopia

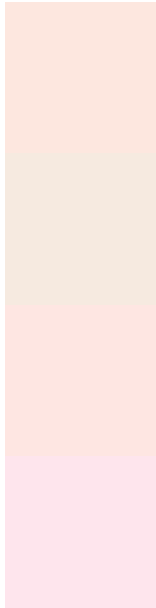
83.3997, 0.3320, 0.3320



## Tritanopia

83.3394, 0.3204, 0.3124

# Trichromacy



## Original Color

83.3622, 0.3332, 0.3371

## Protanomaly

83.8203, 0.3273, 0.3392

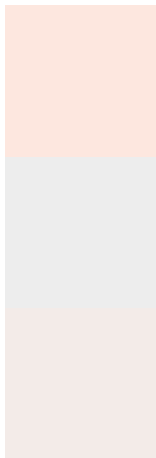
## Deuteranomaly

83.1554, 0.3320, 0.3330

## Tritanomaly

83.2239, 0.3248, 0.3211

# Monochromacy



## Original Color

83.3622, 0.3332, 0.3371

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

84.2975, 0.3200, 0.3321

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.3622, 0.3332, 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(253, 231, 223)` looks like.

```
.text, #text, p{  
    color:rgb(253, 231, 223)  
}
```

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(253, 231, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 231, 223) }
```

## Border

The CSS property to change the border of an element to Yxy 83.3622, 0.3332, 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(253, 231, 223) }
```

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

```
.border{ border-color:rgb(253, 231, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 231, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 231, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 231, 223);  
box-shadow:4px 4px 4px 4px rgb(253, 231,  
223) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.3622, 0.3332, 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(253, 231, 223) }
```

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

```
.background{ background-color: rgb(253,  
231, 223) }
```

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