

# Converting Colors

$Y_{xy}(121.0941, 0.4362, 0.3401)$

Have a look what the booklet for  
Yxy(121.0941, 0.4362, 0.3401)  
contains.

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# Color

**Yxy(83.3181, 0.3400, 0.3451)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE7D7
RGB	255, 231, 215
RGB Percent	100%, 91%, 84%
CMY	0.0000, 0.0941, 0.1570
CMYK	0.00, 0.09, 0.16, 0.00
HSL	24°, 100%, 92%
HSV	24°, 16%, 100%
XYZ	82.0868, 83.3181, 76.0269
YIQ	236.3520, 19.4400, 0.1120

# Conversions

## Conversions Part 2

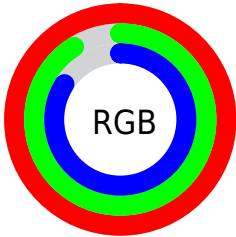
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 242, 215
Decimal	16771031
CIE Lab	93.15, 5.67, 10.76
CIE LCh	93, 12.164, 62.239
Yxy	83.3181, 0.3400, 0.3451
Android (android.graphics.Color)	4294961111 (0xFFFFE7D7)
YUV	236.3520, -10.5265, 16.3543
Hunter-Lab	91.2787, 0.7869, 14.5120

# Details

The Yxy color **83.3181, 0.3400, 0.3451** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **83.3816, 0.2882, 0.3123**, and the grayscale version is **84.2317, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.2038, 0.3465, 0.3483** is the 20% darker color. If you saturate the color by 10%, you get **73.9169, 0.3611, 0.3560**, and if you desaturate by 10%, it is **93.6673, 0.3219, 0.3347**.

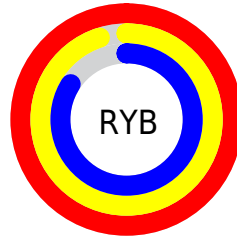
# Distribution



Red (100%)

Green (91%)

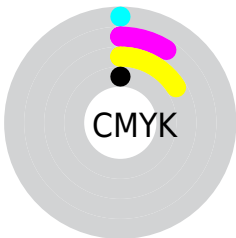
Blue (84%)



Red (100%)

Yellow (95%)

Blue (84%)

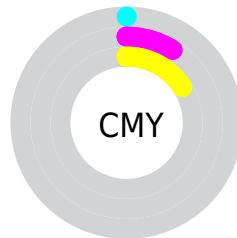


Cyan (0%)

Magenta (9%)

Yellow (16%)

Black (0%)



Cyan (0%)

Magenta (9%)


Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.3181, 0.3400, 0.3451 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 83.3181, 0.3400, 0.3451 by changing the saturation by 10% instead.




 83.3181, 0.3400,  
0.3451

 83.3181, 0.3400,  
0.3451

506.0461, 0.3276,  
0.3379

 62.4526, 0.3428,  
0.3467


138.0209, 0.3357,  
0.3427

 45.3985, 0.3462,  
0.3486


172.6270, 0.3341,  
0.3417

 31.7714, 0.3504,  
0.3509


212.5821, 0.3326,  
0.3409

 21.1870, 0.3559,  
0.3539

258.2705, 0.3314,  
0.3402

 13.2607, 0.3633,  
0.3579

310.0768, 0.3303,  
0.3395

 7.6083, 0.3737,  
0.3632

368.3852, 0.3293,

 3.8454, 0.3892,

0.3389

0.3709

433.5801, 0.3284,  
0.3384

■ 1.5874, 0.4157,  
0.3832

■ 0.3491, 0.5739,  
0.4261

■ 83.3181, 0.3400,  
0.3451

■ 83.3181, 0.3400,  
0.3451

■ 73.9169, 0.3611,  
0.3560

■ 93.6673, 0.3219,  
0.3347

■ 65.4414, 0.3854,  
0.3671

100.0000, 0.3127,  
0.3290

■ 57.8595, 0.4129,  
0.3778

■ 51.1394, 0.4433,  
0.3871

■ 45.2473, 0.4756,  
0.3940

■ 40.1463, 0.5081,  
0.3970

■ 35.7963, 0.5382,  
0.3951

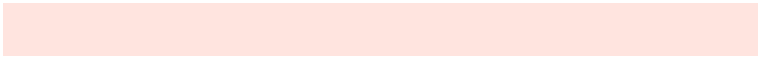
■ 32.1515, 0.5634,  
0.3876

■ 30.7807, 0.5729,  
0.3833

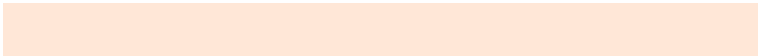
# Harmonies

## Analogous

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



83.3181, 0.3387, 0.3340



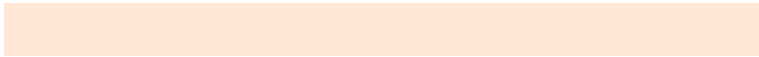
83.3181, 0.3400, 0.3451



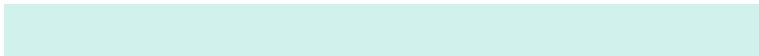
83.3181, 0.3338, 0.3523

# Triad

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



83.3181, 0.3400, 0.3451



83.3181, 0.2953, 0.3360



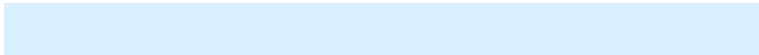
83.3181, 0.3031, 0.3060

# Complementary

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



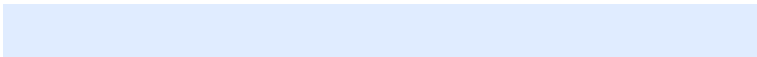
83.3181, 0.3400, 0.3451



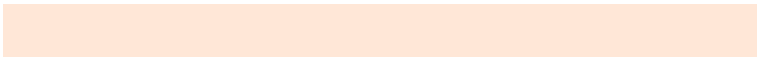
83.3816, 0.2882, 0.3123

# 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.



83.3181, 0.2918, 0.3061



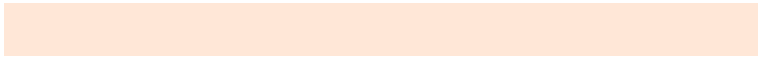
83.3181, 0.3400, 0.3451



83.3181, 0.2874, 0.3231

# Square

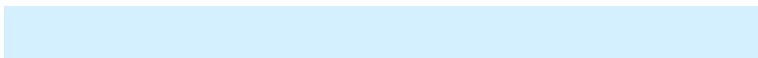
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.3181, 0.3400, 0.3451



83.3181, 0.3079, 0.3472



83.3181, 0.2861, 0.3122

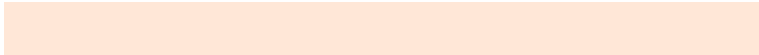


83.3181, 0.3171, 0.3118



# Rectangle

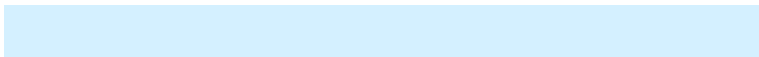
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.3181, 0.3400, 0.3451



83.3181, 0.3264, 0.3536



83.3181, 0.2861, 0.3122



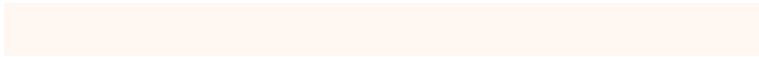
83.3181, 0.2988, 0.3054

# Sweetspot

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



83.3161, 0.3400, 0.3451



94.4244, 0.3207, 0.3340



76.0790, 0.3254, 0.3052



20.0472, 0.3219, 0.3347



0.0000, 0.0000, 0.0000

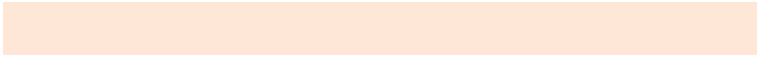


21.4041, 0.3127, 0.3290

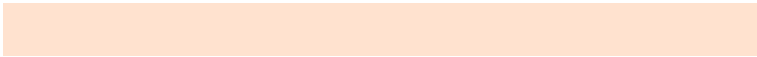


# Same Dimension

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



83.3161, 0.3400, 0.3451



80.1071, 0.3466, 0.3487



95.1577, 0.3370, 0.3644



19.1806, 0.3284, 0.3386



16.3564, 0.5699, 0.3857

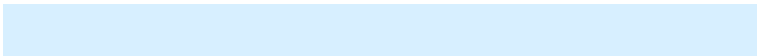


1.7995, 0.5491, 0.4022

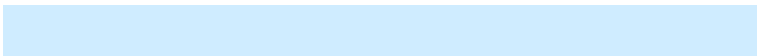


# Inverse Universe

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



83.3816, 0.2882, 0.3123



80.1830, 0.2829, 0.3085



72.3140, 0.2873, 0.2910



19.1897, 0.2979, 0.3192



15.9615, 0.1866, 0.1919

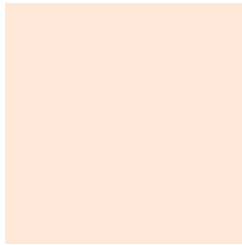


1.7681, 0.1914, 0.2091



# Previews

## White Background



This preview shows how the Yxy color 83.3181, 0.3400, 0.3451 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 83.3181, 0.3400, 0.3451 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

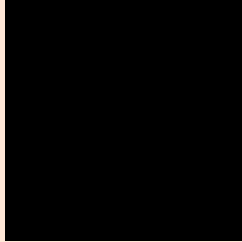
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

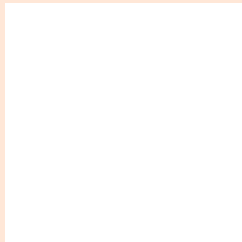
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.3181, 0.3400, 0.3451**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.3181, 0.3400, 0.3451.

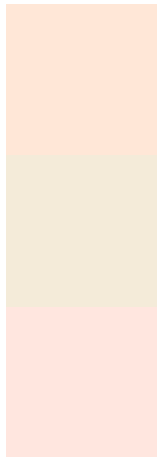


This preview shows how white text looks on a background with the Yxy color 83.3181, 0.3400, 0.3451.

# 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

83.3181, 0.3400, 0.3451

### Protanopia

83.6595, 0.3303, 0.3474

### Deuteranopia

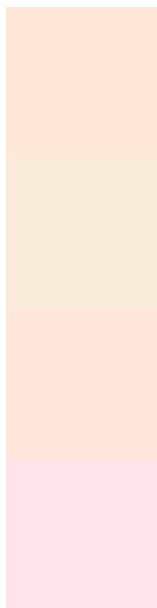
83.1813, 0.3347, 0.3360



## Tritanopia

83.2179, 0.3217, 0.3143

# Trichromacy



## Original Color

83.3181, 0.3400, 0.3451

## Protanomaly

83.7600, 0.3339, 0.3473

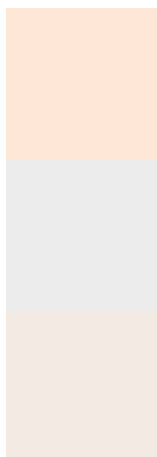
## Deuteranomaly

83.0209, 0.3367, 0.3390

## Tritanomaly

83.1818, 0.3282, 0.3251

# Monochromacy



## Original Color

83.3181, 0.3400, 0.3451

## Achromatopsia

83.8799, 0.3127, 0.3290

## Achromatomaly

83.5018, 0.3226, 0.3351

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.3181, 0.3400, 0.3451 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, 215)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 215)  
}
```

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, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 215) }
```

## Border

The CSS property to change the border of an element to Yxy 83.3181, 0.3400, 0.3451 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, 215) }
```

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

```
.border{ border-color:rgb(255, 231, 215) }
```

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, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 215);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
215) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.3181, 0.3400, 0.3451 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, 215) }
```

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

```
.background{ background-color: rgb(255,  
231, 215) }
```

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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