

# Converting Colors

$Y_{xy}(100.0000, 0.4100, 0.3564)$

Have a look what the booklet for  
Yxy(100.0000, 0.4100, 0.3564)  
contains.

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# Color

**Yxy(81.8392, 0.3531, 0.3635)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE6C4
RGB	255, 230, 196
RGB Percent	100%, 90%, 77%
CMY	0.0000, 0.0980, 0.2315
CMYK	0.00, 0.10, 0.23, 0.00
HSL	35°, 100%, 88%
HSV	35°, 23%, 100%
XYZ	79.4977, 81.8392, 63.8053
YIQ	233.5990, 25.8140, -5.2740

# Conversions

## Conversions Part 2

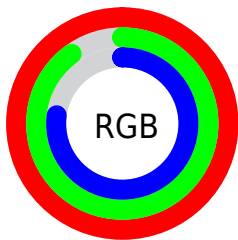
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	239, 255, 196
Decimal	16770756
CIE Lab	92.50, 3.41, 19.71
CIE LCh	93, 20.004, 80.196
Yxy	81.8392, 0.3531, 0.3635
Android (android.graphics.Color)	4294960836 (0xFFFFE6C4)
YUV	233.5990, -18.5363, 18.7687
Hunter-Lab	90.4650, -1.4538, 21.5081

# Details

The Yxy color **81.8392, 0.3531, 0.3635** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **70.6367, 0.2754, 0.2919**, and the grayscale version is **82.0881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8718, 0.3139, 0.3309**, and **44.6187, 0.3624, 0.3717** is the 20% darker color. If you saturate the color by 10%, you get **74.9549, 0.3739, 0.3791**, and if you desaturate by 10%, it is **89.2986, 0.3343, 0.3482**.

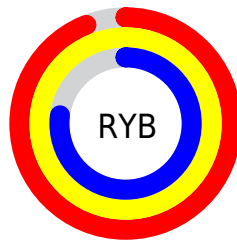
# Distribution



Red (100%)

Green (90%)

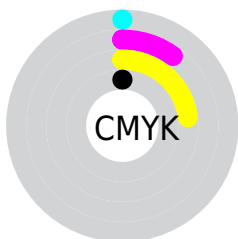
Blue (77%)



Red (94%)

Yellow (100%)

Blue (77%)

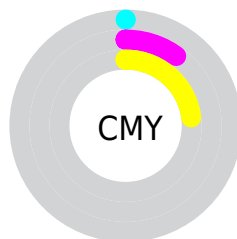


Cyan (0%)

Magenta (10%)

Yellow (23%)

Black (0%)



Cyan (0%)

Magenta (10%)


Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.8392, 0.3531, 0.3635 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 81.8392, 0.3531, 0.3635 by changing the saturation by 10% instead.




 81.8392, 0.3531,  
0.3635

 81.8392, 0.3531,  
0.3635


501.1097, 0.3348,  
0.3480

 61.2330, 0.3572,  
0.3669


135.9485, 0.3468,  
0.3582

 44.4132, 0.3622,  
0.3710


170.2204, 0.3444,  
0.3562

 30.9955, 0.3684,  
0.3762


209.8162, 0.3422,  
0.3544

 20.5954, 0.3764,  
0.3827

255.1205, 0.3404,  
0.3528

 12.8286, 0.3870,  
0.3911

306.5176, 0.3387,  
0.3514

 7.3106, 0.4017,  
0.4026

364.3919, 0.3373,

 3.6571, 0.4229,

0.3502

0.4187

429.1278, 0.3359,  
0.3490

■ 1.4837, 0.4870,  
0.4720

■ 0.2772, 0.5556,  
0.4444

■ 81.8392, 0.3531,  
0.3635

■ 81.8392, 0.3531,  
0.3635

■ 74.9549, 0.3739,  
0.3791

■ 89.2986, 0.3343,  
0.3482

■ 68.6205, 0.3966,  
0.3944

■ 97.3403, 0.3176,  
0.3335

■ 62.8210, 0.4206,  
0.4084

100.0000, 0.3127,  
0.3290

■ 57.5375, 0.4452,  
0.4200

■ 52.7493, 0.4692,  
0.4280

■ 48.4333, 0.4912,  
0.4312

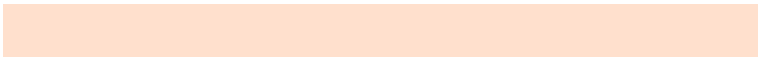
■ 44.5627, 0.5099,  
0.4289

■ 42.1468, 0.5208,  
0.4247

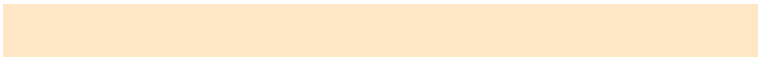
# Harmonies

## Analogous

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



81.8392, 0.3588, 0.3481



81.8392, 0.3531, 0.3635



81.8392, 0.3364, 0.3701

# Triad

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



81.8392, 0.3531, 0.3635



81.8392, 0.2752, 0.3274



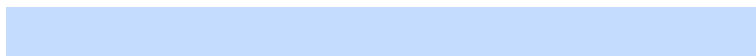
81.8392, 0.3103, 0.2963

# Complementary

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



81.8392, 0.3531, 0.3635



70.6367, 0.2754, 0.2919

# Split Complementary

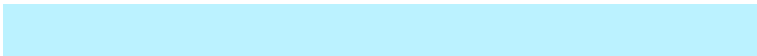
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.8392, 0.2884, 0.2904



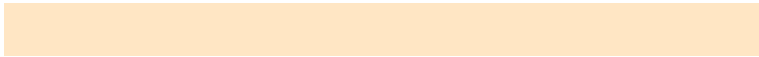
81.8392, 0.3531, 0.3635



81.8392, 0.2687, 0.3073

# Square

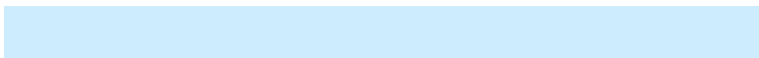
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.8392, 0.3531, 0.3635



81.8392, 0.2915, 0.3490



81.8392, 0.2735, 0.2941

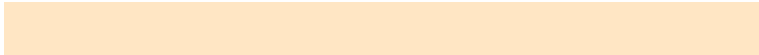


81.8392, 0.3336, 0.3101



# Rectangle

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



81.8392, 0.3531, 0.3635



81.8392, 0.3216, 0.3680



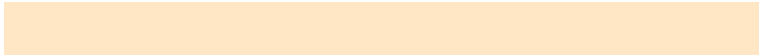
81.8392, 0.2735, 0.2941



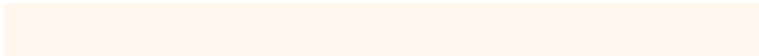
81.8392, 0.3025, 0.2933

# Sweetspot

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



81.8421, 0.3531, 0.3635



94.1768, 0.3238, 0.3390



65.9706, 0.3404, 0.3031



20.0532, 0.3248, 0.3399



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.



81.8421, 0.3531, 0.3635



78.4341, 0.3629, 0.3711



96.0247, 0.3452, 0.3875



19.7270, 0.3280, 0.3427



22.3248, 0.5187, 0.4264



2.3902, 0.5042, 0.4379



# Inverse Universe

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



70.6367, 0.2754, 0.2919



65.3644, 0.2671, 0.2829



58.9461, 0.2758, 0.2640



18.6416, 0.2979, 0.3149



9.6505, 0.1702, 0.1328

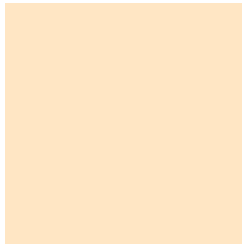


1.1505, 0.1764, 0.1549



# Previews

## White Background



This preview shows how the Yxy color 81.8392, 0.3531, 0.3635 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 81.8392, 0.3531, 0.3635 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

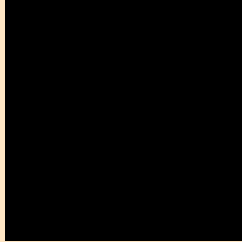
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

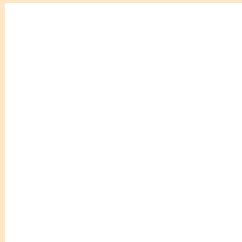
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.8392, 0.3531, 0.3635**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.8392, 0.3531, 0.3635.

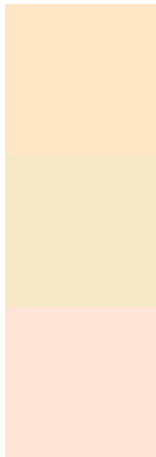


This preview shows how white text looks on a background with the Yxy color 81.8392, 0.3531, 0.3635.

# 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

81.8392, 0.3531, 0.3635

### Protanopia

81.9019, 0.3452, 0.3661

### Deuteranopia

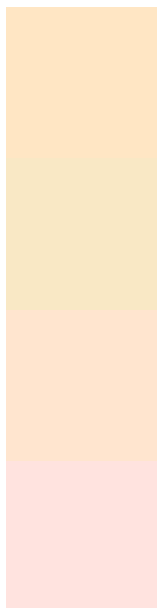
81.5509, 0.3418, 0.3441



## Tritanopia

81.8847, 0.3245, 0.3162

# Trichromacy



## Original Color

81.8392, 0.3531, 0.3635

## Protanomaly

81.8842, 0.3476, 0.3649

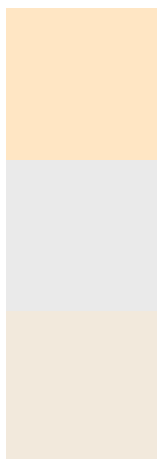
## Deuteranomaly

81.8036, 0.3457, 0.3512

## Tritanomaly

81.5259, 0.3351, 0.3331

# Monochromacy



## Original Color

81.8392, 0.3531, 0.3635

## Achromatopsia

82.2786, 0.3127, 0.3290

## Achromatomaly

82.3224, 0.3272, 0.3424

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.8392, 0.3531, 0.3635 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, 230, 196)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 196)  
}
```

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, 230, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 196) }
```

## Border

The CSS property to change the border of an element to Yxy 81.8392, 0.3531, 0.3635 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, 230, 196) }
```

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

```
.border{ border-color:rgb(255, 230, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 230, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 196);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
196) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.8392, 0.3531, 0.3635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 196) }
```

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

```
.background{ background-color: rgb(255,  
230, 196) }
```

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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