

# Converting Colors

$Y_{xy}(93.4931, 0.3911, 0.3500)$

Have a look what the booklet for  
Yxy(93.4931, 0.3911, 0.3500)  
contains.

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# **Color**

**Yxy(80.5100, 0.3489, 0.3533)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE3CB
RGB	255, 227, 203
RGB Percent	100%, 89%, 80%
CMY	0.0000, 0.1099, 0.2038
CMYK	0.00, 0.11, 0.20, 0.00
HSL	28°, 100%, 90%
HSV	28°, 20%, 100%
XYZ	79.5073, 80.5100, 67.8627
YIQ	232.6360, 24.3920, -1.5280

# Conversions

## Conversions Part 2

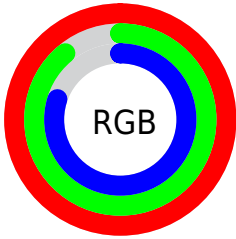
Format	Color
R <sub>Y</sub> B	255, 248, 203
Decimal	16769995
CIE Lab	91.91, 5.97, 15.22
CIE LCh	92, 16.348, 68.577
Yxy	80.5100, 0.3489, 0.3533
Android (android.graphics.Color)	4294960075 (0xFFFFE3CB)
YUV	232.6360, -14.6105, 19.6132
Hunter-Lab	89.7274, 1.1458, 17.9669

# Details

The Yxy color  $80.5100, 0.3489, 0.3533$  is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be  $77.0938, 0.2805, 0.3034$ , and the grayscale version is  $81.2890, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $43.6807, 0.3571, 0.3589$  is the 20% darker color. If you saturate the color by 10%, you get  $72.1636, 0.3706, 0.3660$ , and if you desaturate by 10%, it is  $89.6404, 0.3298, 0.3410$ .

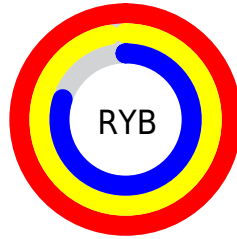
# Distribution



Red (100%)

Green (89%)

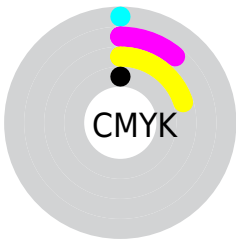
Blue (80%)



Red (100%)

Yellow (97%)

Blue (80%)

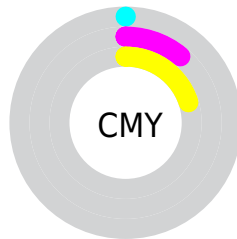


Cyan (0%)

Magenta (11%)

Yellow (20%)

Black (0%)



Cyan (0%)

Magenta (11%)


Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.5100, 0.3489, 0.3533 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 80.5100, 0.3489, 0.3533 by changing the saturation by 10% instead.




 80.5100, 0.3489,  
0.3533

 80.5100, 0.3489,  
0.3533


496.6499, 0.3324,  
0.3425

 60.1381, 0.3526,  
0.3557


134.0825, 0.3432,  
0.3496

 43.5300, 0.3572,  
0.3586


168.0520, 0.3410,  
0.3482

 30.3012, 0.3629,  
0.3622


207.3227, 0.3391,  
0.3469

 20.0673, 0.3703,  
0.3667

252.2792, 0.3374,  
0.3458

 12.4440, 0.3802,  
0.3727

303.3057, 0.3359,  
0.3448

 7.0468, 0.3942,  
0.3807

360.7868, 0.3346,

 3.4914, 0.4151,

0.3439

0.3921

425.1067, 0.3334,  
0.3432

■ 1.3933, 0.4645,  
0.4226

■ 0.2118, 0.6210,  
0.3790

■ 80.5100, 0.3489,  
0.3533

■ 80.5100, 0.3489,  
0.3533

■ 72.1636, 0.3706,  
0.3660

■ 89.6404, 0.3298,  
0.3410

■ 64.6019, 0.3952,  
0.3785

99.6017, 0.3133,  
0.3294

■ 57.7917, 0.4223,  
0.3902

100.0000, 0.3127,  
0.3290

■ 51.7062, 0.4513,  
0.4000

■ 46.3170, 0.4810,  
0.4066

■ 41.5927, 0.5096,  
0.4087

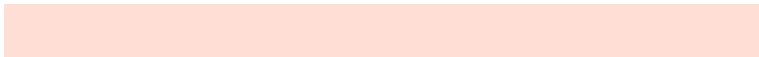
■ 37.4985, 0.5350,  
0.4053

■ 34.1110, 0.5552,  
0.3973

# Harmonies

## Analogous

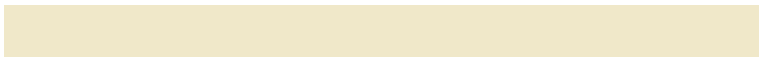
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.5100, 0.3494, 0.3389



80.5100, 0.3489, 0.3533



80.5100, 0.3384, 0.3617

# Triad

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



80.5100, 0.3489, 0.3533



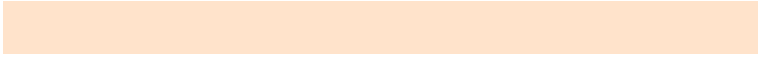
80.5100, 0.2862, 0.3348



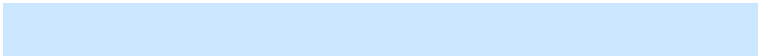
80.5100, 0.3034, 0.2991

# Complementary

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



80.5100, 0.3489, 0.3533



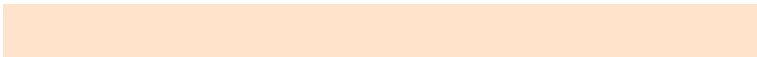
77.0938, 0.2805, 0.3034

# Split Complementary

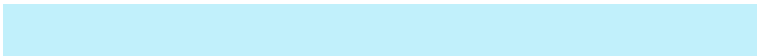
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.5100, 0.2871, 0.2973



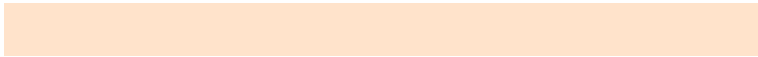
80.5100, 0.3489, 0.3533



80.5100, 0.2774, 0.3173

# Square

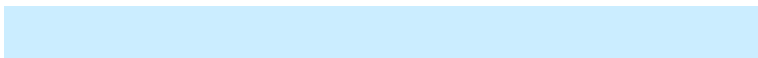
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.5100, 0.3489, 0.3533



80.5100, 0.3021, 0.3512



80.5100, 0.2777, 0.3037

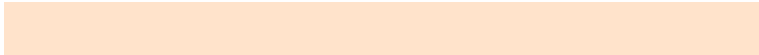


80.5100, 0.3227, 0.3083



# Rectangle

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



80.5100, 0.3489, 0.3533



80.5100, 0.3274, 0.3624



80.5100, 0.2777, 0.3037



80.5100, 0.2974, 0.2976

# Sweetspot

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



80.5019, 0.3489, 0.3533



93.9040, 0.3223, 0.3359



69.7868, 0.3319, 0.3003



19.9612, 0.3234, 0.3366



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

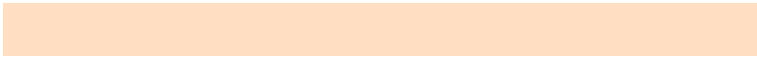


# Same Dimension

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



80.5019, 0.3489, 0.3533



77.3949, 0.3564, 0.3579



95.4459, 0.3440, 0.3776



19.3669, 0.3283, 0.3400



18.1149, 0.5525, 0.3995

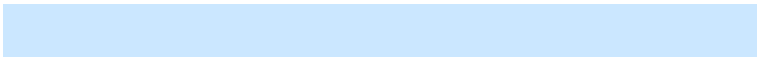


1.9795, 0.5335, 0.4146

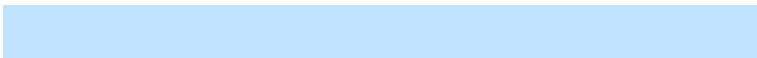


# Inverse Universe

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



77.0938, 0.2805, 0.3034



73.4852, 0.2746, 0.2983



63.8805, 0.2786, 0.2753



18.9998, 0.2979, 0.3178



13.4906, 0.1807, 0.1706

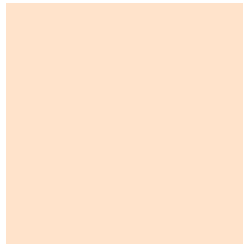


1.5322, 0.1861, 0.1900



# Previews

## White Background



This preview shows how the Yxy color 80.5100, 0.3489, 0.3533 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 80.5100, 0.3489, 0.3533 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

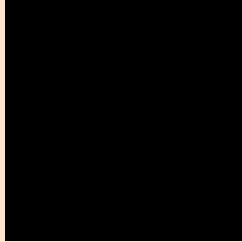
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 80.5100, 0.3489, 0.3533**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.5100, 0.3489, 0.3533.

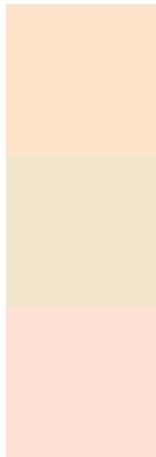


This preview shows how white text looks on a background with the Yxy color 80.5100, 0.3489, 0.3533.

# 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

80.5100, 0.3489, 0.3533

### Protanopia

80.4369, 0.3374, 0.3560

### Deuteranopia

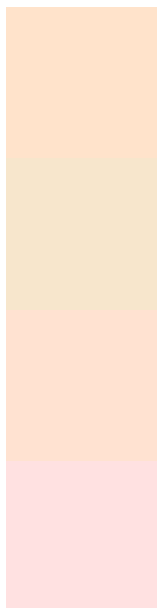
80.4568, 0.3421, 0.3422



## Tritanopia

80.7444, 0.3253, 0.3152

# Trichromacy



## Original Color

80.5100, 0.3489, 0.3533

## Protanomaly

80.7274, 0.3418, 0.3558

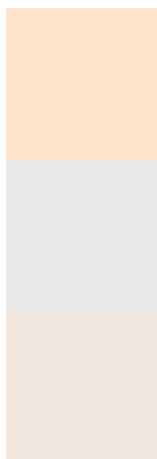
## Deuteranomaly

80.2562, 0.3449, 0.3462

## Tritanomaly

80.5467, 0.3340, 0.3291

# Monochromacy



## Original Color

80.5100, 0.3489, 0.3533

## Achromatopsia

81.4847, 0.3127, 0.3290

## Achromatomaly

81.1265, 0.3254, 0.3383

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.5100, 0.3489, 0.3533 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, 227, 203)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 203)  
}
```

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, 227, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 203) }
```

## Border

The CSS property to change the border of an element to Yxy 80.5100, 0.3489, 0.3533 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, 227, 203) }
```

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

```
.border{ border-color:rgb(255, 227, 203) }
```

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

Here you see how a box with a 4 pixel rgb(255, 227, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 203);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
203) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.5100, 0.3489, 0.3533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 227, 203) }
```

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

```
.background{ background-color: rgb(255,  
227, 203) }
```

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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