

# Converting Colors

$Y_{xy}(82.7516, 0.3675, 0.3896)$

Have a look what the booklet for  
Yxy(82.7516, 0.3675, 0.3896)  
contains.

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# Color

**Yxy(82.5550, 0.3678, 0.3897)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE9AD
RGB	255, 233, 173
RGB Percent	100%, 91%, 68%
CMY	0.0001, 0.0862, 0.3215
CMYK	0.00, 0.09, 0.32, 0.00
HSL	44°, 100%, 84%
HSV	44°, 32%, 100%
XYZ	77.9157, 82.5550, 51.3718
YIQ	232.7380, 32.3720, -13.9960

# Conversions

## Conversions Part 2

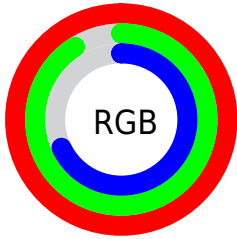
Format	Color
R <sub>Y</sub> B	203, 255, 173
Decimal	16771501
CIE Lab	92.82, -1.10, 31.92
CIE LCh	93, 31.940, 91.972
Yxy	82.5550, 0.3678, 0.3897
Android (android.graphics.Color)	4294961581 (0xFFFFE9AD)
YUV	232.7380, -29.4508, 19.5238
Hunter-Lab	90.8598, -5.9342, 30.0795

# Details

The Yxy color **82.5550, 0.3678, 0.3897** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **55.1248, 0.2581, 0.2597**, and the grayscale version is **81.4867, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.4371, 0.3280, 0.3542**, and **44.6707, 0.3797, 0.4025** is the 20% darker color. If you saturate the color by 10%, you get **77.8701, 0.3871, 0.4085**, and if you desaturate by 10%, it is **87.5856, 0.3493, 0.3704**.

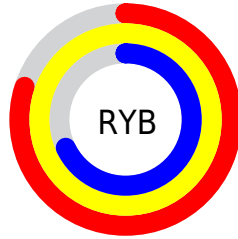
# Distribution



Red (100%)

Green (91%)

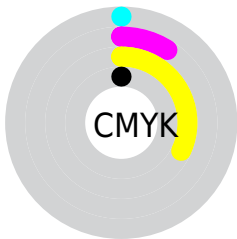
Blue (68%)



Red (80%)

Yellow (100%)

Blue (68%)

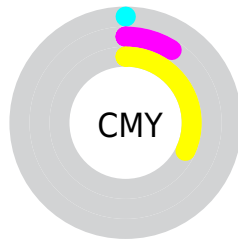


Cyan (0%)

Magenta (9%)

Yellow (32%)

Black (0%)



Cyan (0%)

Magenta (9%)


Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.5550, 0.3678, 0.3897 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 82.5550, 0.3678, 0.3897 by changing the saturation by 10% instead.





 82.5550, 0.3678,  
0.3897

 82.5550, 0.3678,  
0.3897

503.5023, 0.3432,  
0.3625

 61.8231, 0.3732,  
0.3957


 136.9520, 0.3595,  
0.3805

 44.8898, 0.3796,  
0.4028

171.3860, 0.3562,  
0.3768

 31.3706, 0.3875,  
0.4117


211.1560, 0.3533,  
0.3736

 20.8812, 0.3974,  
0.4228

256.6466, 0.3508,  
0.3708

 13.0372, 0.4099,  
0.4370

308.2422, 0.3485,  
0.3684

 7.4542, 0.4260,  
0.4554

366.3270, 0.3466,

 3.7477, 0.4501,

0.3662

0.4830

431.2856, 0.3448,  
0.3642

■ 1.5335, 0.4806,  
0.5194

■ 0.3121, 0.4637,  
0.5363

■ 82.5550, 0.3678,  
0.3897

■ 82.5550, 0.3678,  
0.3897

■ 77.8701, 0.3871,  
0.4085

■ 87.5856, 0.3493,  
0.3704

■ 73.5071, 0.4066,  
0.4259

■ 92.9621, 0.3319,  
0.3513

■ 69.4563, 0.4255,  
0.4408

■ 98.6991, 0.3160,  
0.3328

■ 65.7026, 0.4429,  
0.4521

99.9949, 0.3127,  
0.3290

■ 62.2291, 0.4580,  
0.4589

■ 59.0155, 0.4700,  
0.4607

■ 56.6499, 0.4775,  
0.4591

# Harmonies

## Analogous

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



82.5550, 0.3851, 0.3686



82.5550, 0.3678, 0.3897



82.5550, 0.3361, 0.3947

# Triad

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



82.5550, 0.3678, 0.3897



82.5550, 0.2480, 0.3119



82.5550, 0.3232, 0.2854

# Complementary

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



82.5550, 0.3678, 0.3897



55.1248, 0.2581, 0.2597

# 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.



82.5550, 0.2865, 0.2711



82.5550, 0.3678, 0.3897



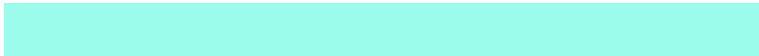
82.5550, 0.2450, 0.2842

# Square

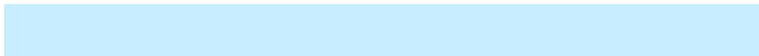
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.5550, 0.3678, 0.3897



82.5550, 0.2674, 0.3475



82.5550, 0.2586, 0.2701



82.5550, 0.3588, 0.3098

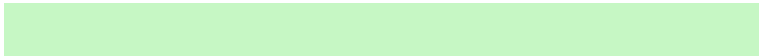


# Rectangle

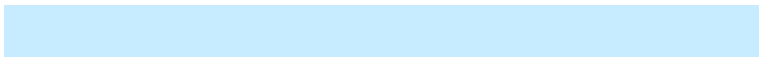
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.5550, 0.3678, 0.3897



82.5550, 0.3115, 0.3866



82.5550, 0.2586, 0.2701



82.5550, 0.3105, 0.2793

# Sweetspot

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



82.5588, 0.3678, 0.3897



94.1830, 0.3284, 0.3472



55.1457, 0.3659, 0.3049



19.9903, 0.3307, 0.3499



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.



82.5588, 0.3678, 0.3897



79.3267, 0.3810, 0.4027



92.5624, 0.3493, 0.4130



20.2189, 0.3276, 0.3463



29.8670, 0.4763, 0.4600



3.0883, 0.4683, 0.4663



# Inverse Universe

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



55.1248, 0.2581, 0.2597



47.7795, 0.2453, 0.2419



48.1600, 0.2673, 0.2365



18.1693, 0.2979, 0.3111



6.1615, 0.1589, 0.0922



0.7707, 0.1649, 0.1134



# Previews

## White Background



This preview shows how the Yxy color 82.5550, 0.3678, 0.3897 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

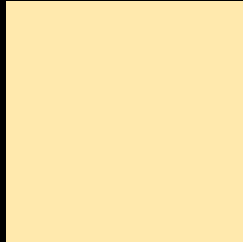
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.5550, 0.3678, 0.3897 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 82.5550, 0.3678, 0.3897**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.5550, 0.3678, 0.3897.

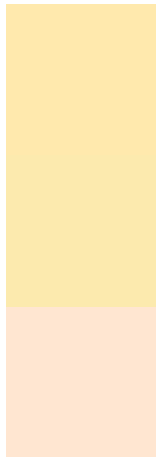


This preview shows how white text looks on a background with the Yxy color 82.5550, 0.3678, 0.3897.

# 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

82.5550, 0.3678, 0.3897

### Protanopia

82.5971, 0.3647, 0.3901

### Deuteranopia

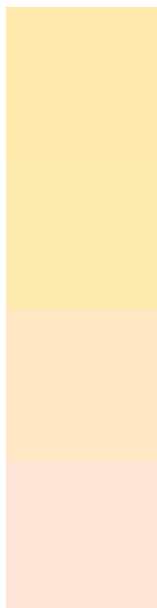
82.4571, 0.3442, 0.3502



## Tritanopia

82.4302, 0.3244, 0.3172

# Trichromacy



## Original Color

82.5550, 0.3678, 0.3897

## Protanomaly

82.7843, 0.3654, 0.3900

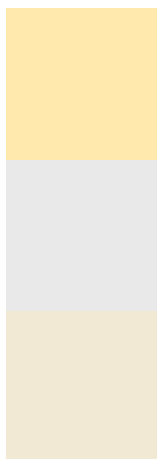
## Deuteranomaly

82.3974, 0.3528, 0.3644

## Tritanomaly

82.2049, 0.3403, 0.3431

# Monochromacy



## Original Color

82.5550, 0.3678, 0.3897

## Achromatopsia

81.4847, 0.3127, 0.3290

## Achromatomaly

81.6817, 0.3324, 0.3518

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.5550, 0.3678, 0.3897 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, 173)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 173)  
}
```

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, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 173) }
```

## Border

The CSS property to change the border of an element to Yxy 82.5550, 0.3678, 0.3897 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, 173) }
```

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

```
.border{ border-color:rgb(255, 233, 173) }
```

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, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 173);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
173) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.5550, 0.3678, 0.3897 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, 173) }
```

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

```
.background{ background-color: rgb(255,  
233, 173) }
```

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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