

# Converting Colors

$Y_{xy}(131.3809, 0.4583, 0.3422)$

Have a look what the booklet for  
Yxy(131.3809, 0.4583, 0.3422)  
contains.

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# Color

**Yxy(82.4571, 0.3442, 0.3502)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE6D1
RGB	255, 230, 209
RGB Percent	100%, 90%, 82%
CMY	0.0000, 0.0980, 0.1804
CMYK	0.00, 0.10, 0.18, 0.00
HSL	27°, 100%, 91%
HSV	27°, 18%, 100%
XYZ	81.0444, 82.4571, 71.9557
YIQ	235.0810, 21.6410, -1.2310

# Conversions

## Conversions Part 2

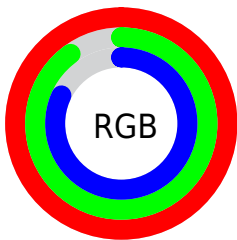
Format	Color
R <sub>Y</sub> B	255, 248, 209
Decimal	16770769
CIE Lab	92.78, 5.27, 13.34
CIE LCh	93, 14.341, 68.450
Yxy	82.4571, 0.3442, 0.3502
Android (android.graphics.Color)	4294960849 (0xFFFFE6D1)
YUV	235.0810, -12.8579, 17.4690
Hunter-Lab	90.8059, 0.4011, 16.5820

# Details

The Yxy color  $82.4571, 0.3442, 0.3502$  is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be  $79.6069, 0.2843, 0.3068$ , and the grayscale version is  $83.2313, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $45.0323, 0.3509, 0.3548$  is the 20% darker color. If you saturate the color by 10%, you get  $73.8912, 0.3654, 0.3627$ , and if you desaturate by 10%, it is  $91.8442, 0.3257, 0.3382$ .

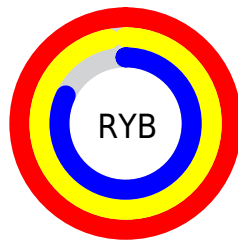
# Distribution



Red (100%)

Green (90%)

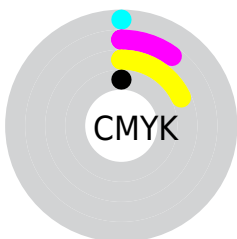
Blue (82%)



Red (100%)

Yellow (97%)

Blue (82%)

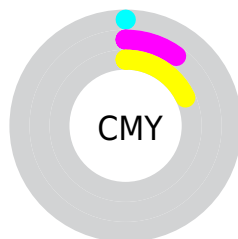


Cyan (0%)

Magenta (10%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (10%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.4571, 0.3442, 0.3502 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 82.4571, 0.3442, 0.3502 by changing the saturation by 10% instead.




 82.4571, 0.3442,  
0.3502

 82.4571, 0.3442,  
0.3502


503.1754, 0.3299,  
0.3408

 61.7424, 0.3474,  
0.3523


136.8148, 0.3393,  
0.3470

 44.8246, 0.3513,  
0.3548

171.2266, 0.3374,  
0.3457

 31.3193, 0.3563,  
0.3579


210.9729, 0.3357,  
0.3446

 20.8421, 0.3626,  
0.3619

256.4381, 0.3342,  
0.3437

 13.0086, 0.3711,  
0.3671

308.0065, 0.3330,  
0.3428

 7.4345, 0.3831,  
0.3742

366.0626, 0.3318,

 3.7353, 0.4010,

0.3420

0.3844

430.9908, 0.3308,  
0.3414

■ 1.5266, 0.4351,  
0.4041

■ 0.3073, 0.5779,  
0.4221

■ 82.4571, 0.3442,  
0.3502

■ 82.4571, 0.3442,  
0.3502

■ 73.8912, 0.3654,  
0.3627

■ 91.8442, 0.3257,  
0.3382

■ 66.1129, 0.3893,  
0.3752

100.0000, 0.3127,  
0.3290

■ 59.1006, 0.4160,  
0.3871

■ 52.8276, 0.4448,  
0.3973

■ 47.2653, 0.4747,  
0.4047

■ 42.3829, 0.5040,  
0.4079

■ 38.1459, 0.5305,  
0.4057

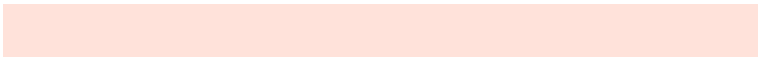
■ 34.5129, 0.5525,  
0.3982

■ 33.8651, 0.5565,  
0.3964

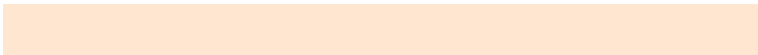
# Harmonies

## Analogous

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



82.4571, 0.3446, 0.3377



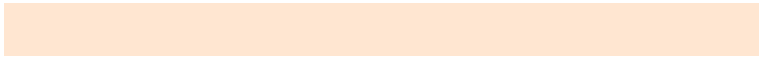
82.4571, 0.3442, 0.3502



82.4571, 0.3352, 0.3574

# Triad

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



82.4571, 0.3442, 0.3502



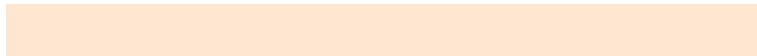
82.4571, 0.2896, 0.3341



82.4571, 0.3046, 0.3028

# Complementary

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



82.4571, 0.3442, 0.3502



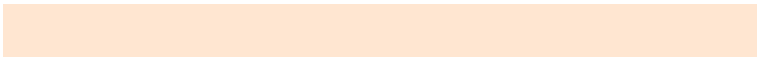
79.6069, 0.2843, 0.3068

# Split Complementary

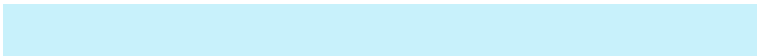
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.4571, 0.2903, 0.3014



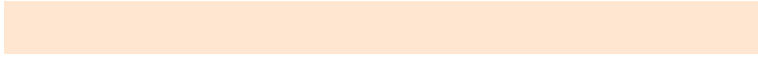
82.4571, 0.3442, 0.3502



82.4571, 0.2819, 0.3189

# Square

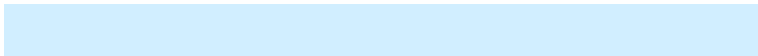
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.4571, 0.3442, 0.3502



82.4571, 0.3036, 0.3483



82.4571, 0.2821, 0.3070



82.4571, 0.3214, 0.3108



# Rectangle

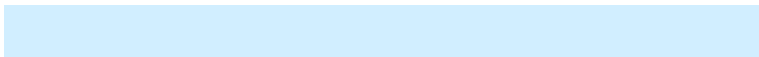
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.4571, 0.3442, 0.3502



82.4571, 0.3256, 0.3580



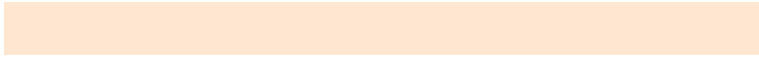
82.4571, 0.2821, 0.3070



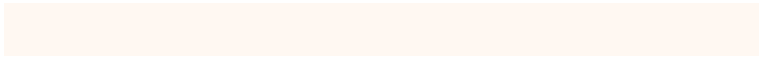
82.4571, 0.2993, 0.3016

# Sweetspot

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



82.4603, 0.3442, 0.3502



94.8666, 0.3206, 0.3346



72.8115, 0.3293, 0.3038



20.1546, 0.3218, 0.3355



0.0000, 0.0000, 0.0000

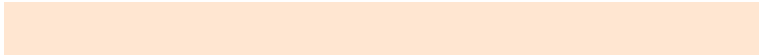


21.4041, 0.3127, 0.3290

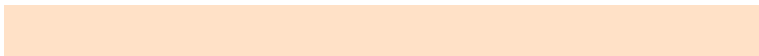


# Same Dimension

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



82.4603, 0.3442, 0.3502



78.9749, 0.3522, 0.3551



95.9236, 0.3404, 0.3719



19.3542, 0.3283, 0.3399



17.9854, 0.5537, 0.3986

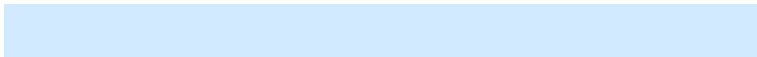


1.9664, 0.5346, 0.4138

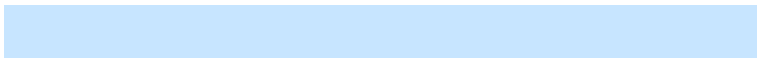


# Inverse Universe

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



79.6069, 0.2843, 0.3068



75.5927, 0.2779, 0.3014



67.5044, 0.2830, 0.2821



19.0127, 0.2979, 0.3179



13.6489, 0.1811, 0.1721

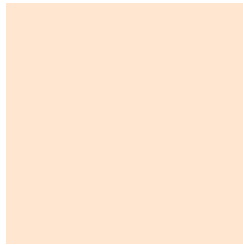


1.5475, 0.1865, 0.1913



# Previews

## White Background



This preview shows how the Yxy color 82.4571, 0.3442, 0.3502 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

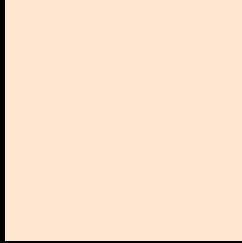
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.4571, 0.3442, 0.3502 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

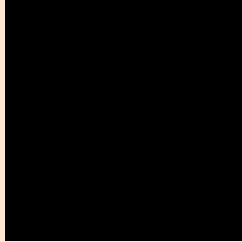
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 82.4571, 0.3442, 0.3502**

## Background



This preview shows how black text looks on a background with the Yxy color 82.4571, 0.3442, 0.3502.

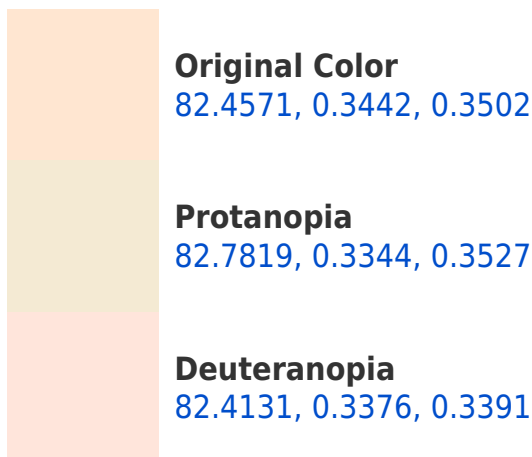


This preview shows how white text looks on a background with the Yxy color 82.4571, 0.3442, 0.3502.

# 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

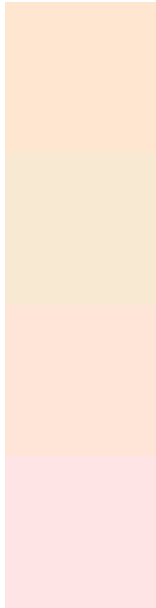




## Tritanopia

82.5490, 0.3231, 0.3153

# Trichromacy



## Original Color

82.4571, 0.3442, 0.3502

## Protanomaly

82.8874, 0.3380, 0.3525

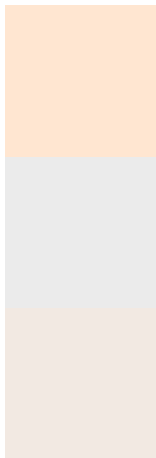
## Deuteranomaly

82.2049, 0.3403, 0.3431

## Tritanomaly

82.4039, 0.3309, 0.3281

# Monochromacy



## Original Color

82.4571, 0.3442, 0.3502

## Achromatopsia

83.0770, 0.3127, 0.3290

## Achromatomaly

82.6461, 0.3233, 0.3362

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.4571, 0.3442, 0.3502 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 209)  
}
```

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, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 82.4571, 0.3442, 0.3502 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, 209) }
```

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

```
.border{ border-color:rgb(255, 230, 209) }
```

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, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.4571, 0.3442, 0.3502 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, 209) }
```

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

```
.background{ background-color: rgb(255,  
230, 209) }
```

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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