

# Converting Colors

$Y_{xy}(85.3028, 0.3545, 0.3514)$

Have a look what the booklet for  
Yxy(85.3028, 0.3545, 0.3514)  
contains.

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# Color

**Yxy(82.9659, 0.3447, 0.3522)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE7D0
RGB	255, 231, 208
RGB Percent	100%, 91%, 82%
CMY	0.0000, 0.0941, 0.1844
CMYK	0.00, 0.09, 0.18, 0.00
HSL	29°, 100%, 91%
HSV	29°, 18%, 100%
XYZ	81.1992, 82.9659, 71.3997
YIQ	235.5540, 21.6870, -2.0650

# Conversions

## Conversions Part 2

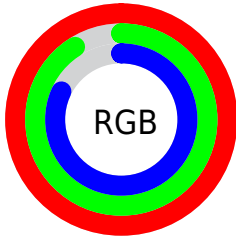
Format	Color
R <sub>Y</sub> B	255, 253, 208
Decimal	16771024
CIE Lab	93.00, 4.61, 14.17
CIE LCh	93, 14.903, 71.993
Yxy	82.9659, 0.3447, 0.3522
Android (android.graphics.Color)	4294961104 (0xFFFFE7D0)
YUV	235.5540, -13.5841, 17.0541
Hunter-Lab	91.0856, -0.2743, 17.2840

# Details

The Yxy color  $82.9659, 0.3447, 0.3522$  is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be  $78.3290, 0.2836, 0.3046$ , and the grayscale version is  $83.6169, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $44.9988, 0.3518, 0.3561$  is the 20% darker color. If you saturate the color by 10%, you get  $74.7977, 0.3656, 0.3655$ , and if you desaturate by 10%, it is  $91.8850, 0.3264, 0.3393$ .

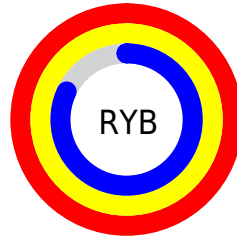
# Distribution



Red (100%)

Green (91%)

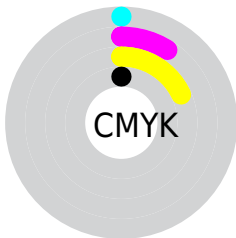
Blue (82%)



Red (100%)

Yellow (99%)

Blue (82%)

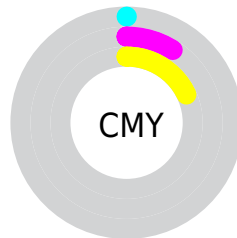


Cyan (0%)

Magenta (9%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (9%)


Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.9659, 0.3447, 0.3522 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 82.9659, 0.3447, 0.3522 by changing the saturation by 10% instead.




 82.9659, 0.3447,  
0.3522

 82.9659, 0.3447,  
0.3522


504.8729, 0.3302,  
0.3419

 62.1620, 0.3479,  
0.3545

137.5277, 0.3397,  
0.3487

 45.1636, 0.3519,  
0.3572


172.0544, 0.3378,  
0.3473

 31.5863, 0.3569,  
0.3607


211.9242, 0.3361,  
0.3461

 21.0457, 0.3633,  
0.3650

257.5214, 0.3346,  
0.3450

 13.1574, 0.3719,  
0.3707

309.2305, 0.3333,  
0.3441

 7.5370, 0.3839,  
0.3786

367.4359, 0.3321,

 3.8002, 0.4017,

0.3433

0.3897

432.5218, 0.3311,  
0.3425

■ 1.5624, 0.4363,  
0.4118

■ 0.3321, 0.5632,  
0.4368

■ 82.9659, 0.3447,  
0.3522

■ 82.9659, 0.3447,  
0.3522

■ 74.7977, 0.3656,  
0.3655

■ 91.8850, 0.3264,  
0.3393

■ 67.3478, 0.3890,  
0.3789

99.9998, 0.3127,  
0.3290

■ 60.5974, 0.4149,  
0.3915

■ 54.5227, 0.4425,  
0.4025

■ 49.0979, 0.4709,  
0.4104

■ 44.2950, 0.4984,  
0.4141

■ 40.0828, 0.5231,  
0.4125

■ 36.4225, 0.5437,  
0.4055

■ 35.8937, 0.5467,  
0.4041

# Harmonies

## Analogous

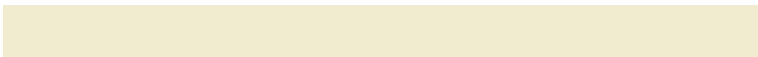
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.9659, 0.3462, 0.3397



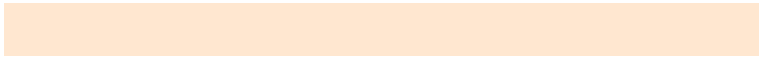
82.9659, 0.3447, 0.3522



82.9659, 0.3344, 0.3589

# Triad

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



82.9659, 0.3447, 0.3522



82.9659, 0.2874, 0.3324



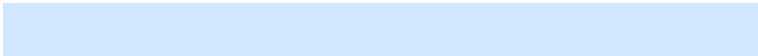
82.9659, 0.3063, 0.3026

# Complementary

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



82.9659, 0.3447, 0.3522



78.3290, 0.2836, 0.3046

# Split Complementary

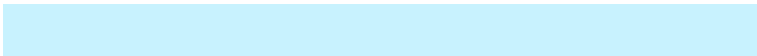
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.9659, 0.2910, 0.3001



82.9659, 0.3447, 0.3522



82.9659, 0.2803, 0.3168

# Square

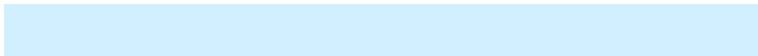
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.9659, 0.3447, 0.3522



82.9659, 0.3013, 0.3475



82.9659, 0.2816, 0.3052

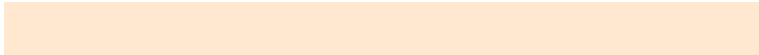


82.9659, 0.3237, 0.3115



# Rectangle

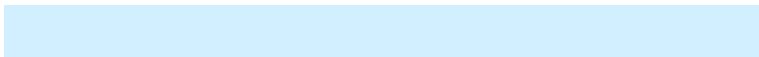
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.9659, 0.3447, 0.3522



82.9659, 0.3241, 0.3588



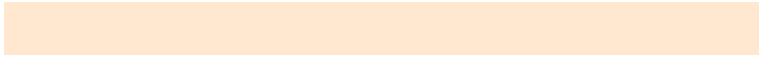
82.9659, 0.2816, 0.3052



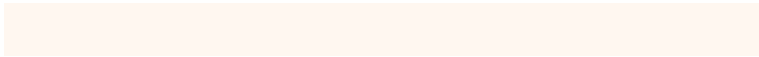
82.9659, 0.3007, 0.3009

# Sweetspot

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



82.9696, 0.3447, 0.3522



94.1726, 0.3222, 0.3363



72.2074, 0.3308, 0.3047



20.0246, 0.3233, 0.3371



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.



82.9696, 0.3447, 0.3522



79.9737, 0.3518, 0.3569



96.8336, 0.3407, 0.3743



19.4557, 0.3282, 0.3407



19.0524, 0.5441, 0.4062

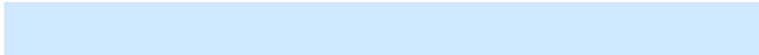


2.0730, 0.5261, 0.4205

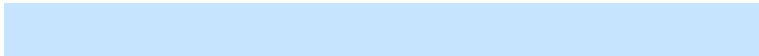


# Inverse Universe

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



78.3290, 0.2836, 0.3046



74.5763, 0.2777, 0.2994



66.1167, 0.2821, 0.2792



18.9105, 0.2979, 0.3171



12.4330, 0.1780, 0.1608

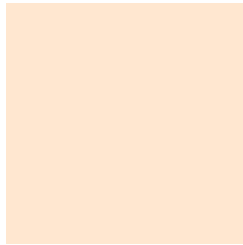


1.4293, 0.1837, 0.1811



# Previews

## White Background



This preview shows how the Yxy color 82.9659, 0.3447, 0.3522 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

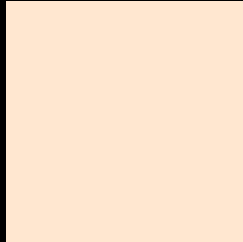
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.9659, 0.3447, 0.3522 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

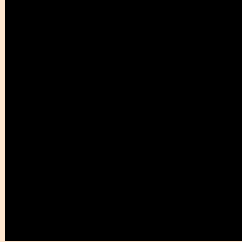
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 82.9659, 0.3447, 0.3522**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.9659, 0.3447, 0.3522.

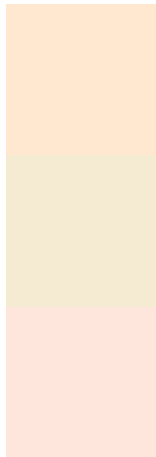


This preview shows how white text looks on a background with the Yxy color 82.9659, 0.3447, 0.3522.

# 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

82.9659, 0.3447, 0.3522

### Protanopia

82.9113, 0.3357, 0.3536

### Deuteranopia

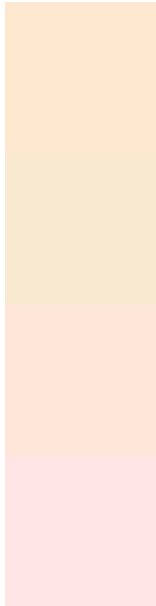
83.0209, 0.3367, 0.3390



## Tritanopia

83.1576, 0.3223, 0.3153

# Trichromacy



## Original Color

82.9659, 0.3447, 0.3522

## Protanomaly

83.0210, 0.3394, 0.3535

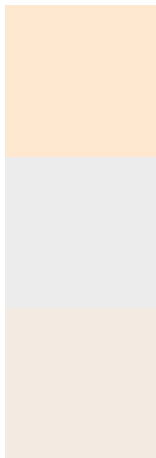
## Deuteranomaly

82.8115, 0.3394, 0.3431

## Tritanomaly

83.0118, 0.3302, 0.3281

# Monochromacy



## Original Color

82.9659, 0.3447, 0.3522

## Achromatopsia

83.8799, 0.3127, 0.3290

## Achromatomaly

83.3913, 0.3239, 0.3372

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.9659, 0.3447, 0.3522 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, 208)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 208)  
}
```

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, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 82.9659, 0.3447, 0.3522 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, 208) }
```

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

```
.border{ border-color:rgb(255, 231, 208) }
```

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, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 208);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
208) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.9659, 0.3447, 0.3522 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, 208) }
```

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

```
.background{ background-color: rgb(255,  
231, 208) }
```

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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