

# Converting Colors

$Y_{xy}(100.0000, 0.4006, 0.3445)$

Have a look what the booklet for  
Yxy(100.0000, 0.4006, 0.3445)  
contains.

<b>Yxy(81.9518, 0.3437, 0.3482)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(81.9518, 0.3437, 0.3482)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE5D2
RGB	255, 229, 210
RGB Percent	100%, 90%, 82%
CMY	0.0000, 0.1019, 0.1765
CMYK	0.00, 0.10, 0.18, 0.00
HSL	25°, 100%, 91%
HSV	25°, 18%, 100%
XYZ	80.8927, 81.9518, 72.5139
YIQ	234.6080, 21.5950, -0.3970

# Conversions

## Conversions Part 2

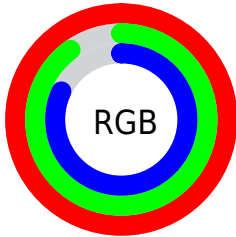
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 243, 210
Decimal	16770514
CIE Lab	92.55, 5.93, 12.51
CIE LCh	93, 13.841, 64.624
Yxy	81.9518, 0.3437, 0.3482
Android (android.graphics.Color)	4294960594 (0xFFFFE5D2)
YUV	234.6080, -12.1317, 17.8838
Hunter-Lab	90.5272, 1.0801, 15.8767

# Details

The Yxy color **81.9518, 0.3437, 0.3482** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **80.8959, 0.2850, 0.3090**, and the grayscale version is **82.8456, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.6782, 0.3503, 0.3522** is the 20% darker color. If you saturate the color by 10%, you get **72.9762, 0.3651, 0.3598**, and if you desaturate by 10%, it is **91.8245, 0.3251, 0.3371**.

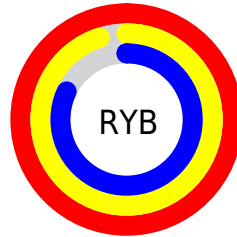
# Distribution



Red (100%)

Green (90%)

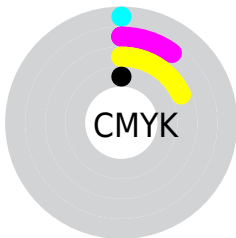
Blue (82%)



Red (100%)

Yellow (95%)

Blue (82%)

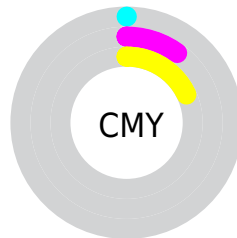


Cyan (0%)

Magenta (10%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (10%)


Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.9518, 0.3437, 0.3482 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 81.9518, 0.3437, 0.3482 by changing the saturation by 10% instead.




 81.9518, 0.3437,  
0.3482

 81.9518, 0.3437,  
0.3482


501.4865, 0.3296,  
0.3397

 61.3258, 0.3469,  
0.3501

136.1064, 0.3388,  
0.3453

 44.4882, 0.3508,  
0.3524


170.4038, 0.3369,  
0.3442

 31.0545, 0.3556,  
0.3552


210.0271, 0.3353,  
0.3432

 20.6403, 0.3619,  
0.3588

255.3608, 0.3339,  
0.3423

 12.8613, 0.3704,  
0.3635

306.7891, 0.3326,  
0.3415

 7.3331, 0.3823,  
0.3699

364.6966, 0.3315,

 3.6713, 0.4002,

0.3408

0.3790

429.4676, 0.3305,  
0.3402

■ 1.4914, 0.4339,  
0.3964

■ 0.2827, 0.5939,  
0.4061

■ 81.9518, 0.3437,  
0.3482

■ 81.9518, 0.3437,  
0.3482

■ 72.9762, 0.3651,  
0.3598

■ 91.8245, 0.3251,  
0.3371

■ 64.8659, 0.3896,  
0.3714

100.0000, 0.3127,  
0.3290

■ 57.5945, 0.4172,  
0.3825

■ 51.1322, 0.4472,  
0.3920

■ 45.4471, 0.4787,  
0.3987

■ 40.5046, 0.5098,  
0.4013

■ 36.2665, 0.5381,  
0.3987

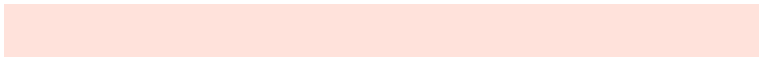
■ 32.6880, 0.5615,  
0.3907

■ 31.9340, 0.5665,  
0.3884

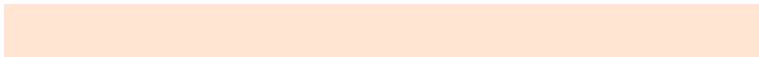
# Harmonies

## Analogous

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



81.9518, 0.3429, 0.3357



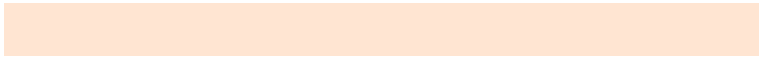
81.9518, 0.3437, 0.3482



81.9518, 0.3359, 0.3560

# Triad

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



81.9518, 0.3437, 0.3482



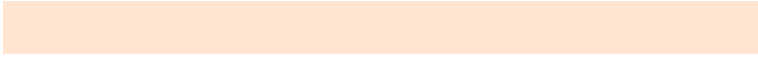
81.9518, 0.2918, 0.3359



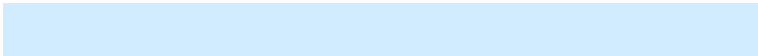
81.9518, 0.3029, 0.3031

# Complementary

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



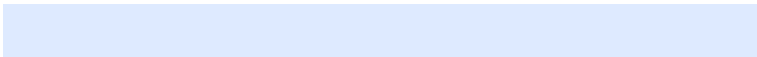
81.9518, 0.3437, 0.3482



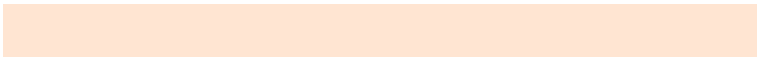
80.8959, 0.2850, 0.3090

# 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.



81.9518, 0.2896, 0.3026



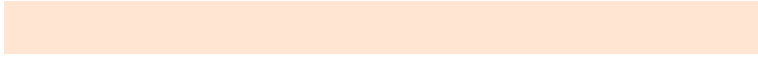
81.9518, 0.3437, 0.3482



81.9518, 0.2834, 0.3211

# Square

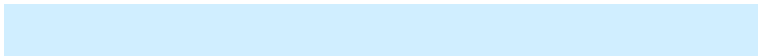
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.9518, 0.3437, 0.3482



81.9518, 0.3059, 0.3491



81.9518, 0.2826, 0.3090



81.9518, 0.3190, 0.3101



# Rectangle

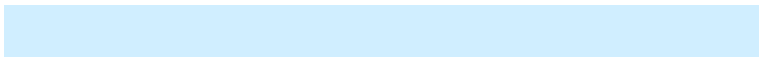
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.9518, 0.3437, 0.3482



81.9518, 0.3271, 0.3572



81.9518, 0.2826, 0.3090



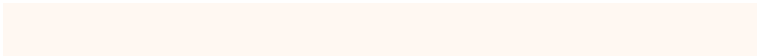
81.9518, 0.2979, 0.3022

# Sweetspot

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



81.9535, 0.3437, 0.3482



94.5982, 0.3207, 0.3342



73.4140, 0.3278, 0.3029



20.0894, 0.3218, 0.3350



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

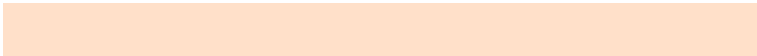


# Same Dimension

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



81.9535, 0.3437, 0.3482



78.8520, 0.3505, 0.3520



95.0619, 0.3400, 0.3696



19.2487, 0.3284, 0.3391



16.9666, 0.5636, 0.3907

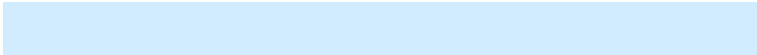


1.8627, 0.5434, 0.4067

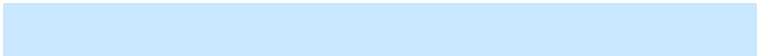


# Inverse Universe

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



80.8959, 0.2850, 0.3090



77.6223, 0.2796, 0.3048



68.8767, 0.2838, 0.2849



19.1199, 0.2979, 0.3187



15.0180, 0.1845, 0.1840

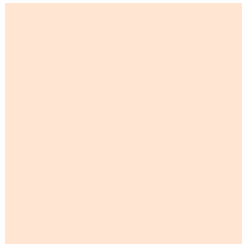


1.6787, 0.1895, 0.2021



# Previews

## White Background



This preview shows how the Yxy color 81.9518, 0.3437, 0.3482 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

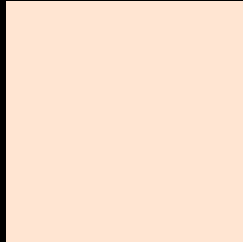
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.9518, 0.3437, 0.3482 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

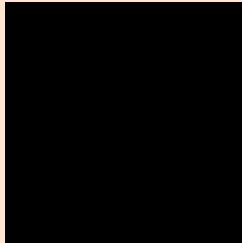
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 81.9518, 0.3437, 0.3482**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.9518, 0.3437, 0.3482.

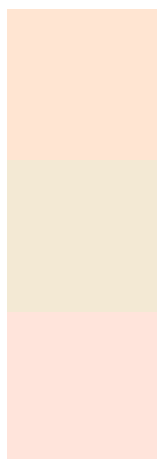


This preview shows how white text looks on a background with the Yxy color 81.9518, 0.3437, 0.3482.

# 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

81.9518, 0.3437, 0.3482

### Protanopia

82.0860, 0.3331, 0.3507

### Deuteranopia

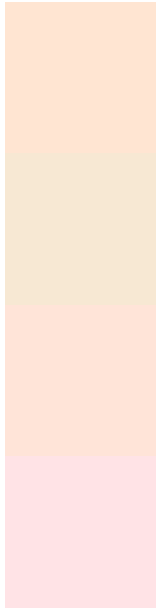
81.8613, 0.3377, 0.3381



## Tritanopia

82.0036, 0.3231, 0.3143

# Trichromacy



## Original Color

81.9518, 0.3437, 0.3482

## Protanomaly

82.1905, 0.3368, 0.3505

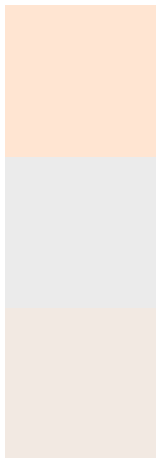
## Deuteranomaly

81.7047, 0.3397, 0.3411

## Tritanomaly

81.9113, 0.3304, 0.3261

# Monochromacy



## Original Color

81.9518, 0.3437, 0.3482

## 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 81.9518, 0.3437, 0.3482 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, 229, 210)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 210)  
}
```

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, 229, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 210) }
```

## Border

The CSS property to change the border of an element to Yxy 81.9518, 0.3437, 0.3482 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, 229, 210) }
```

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

```
.border{ border-color:rgb(255, 229, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 229, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 210);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
210) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.9518, 0.3437, 0.3482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 210) }
```

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

```
.background{ background-color: rgb(255,  
229, 210) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor