

# Converting Colors

$Y_{xy}(82.0262, 0.3464, 0.3528)$

Have a look what the booklet for  
Yxy(82.0262, 0.3464, 0.3528)  
contains.

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# Color

**Yxy(81.7549, 0.3464, 0.3523)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE5CE
RGB	255, 229, 206
RGB Percent	100%, 90%, 81%
CMY	0.0002, 0.1019, 0.1922
CMYK	0.00, 0.10, 0.19, 0.00
HSL	28°, 100%, 90%
HSV	28°, 19%, 100%
XYZ	80.3857, 81.7549, 69.9198
YIQ	234.1520, 22.8790, -1.6410

# Conversions

## Conversions Part 2

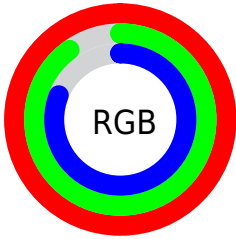
Format	Color
R <sub>Y</sub> B	255, 249, 206
Decimal	16770510
CIE Lab	92.47, 5.31, 14.46
CIE LCh	92, 15.409, 69.824
Yxy	81.7549, 0.3464, 0.3523
Android (android.graphics.Color)	4294960590 (0xFFFFE5CE)
YUV	234.1520, -13.8789, 18.2837
Hunter-Lab	90.4184, 0.4617, 17.4444

# Details

The Yxy color **81.7549, 0.3464, 0.3523** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **77.9988, 0.2824, 0.3045**, and the grayscale version is **82.4925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.5449, 0.3538, 0.3575** is the 20% darker color. If you saturate the color by 10%, you get **73.4350, 0.3677, 0.3652**, and if you desaturate by 10%, it is **90.8641, 0.3277, 0.3399**.

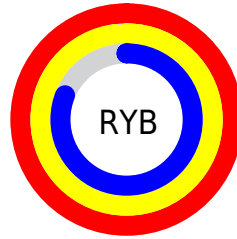
# Distribution



Red (100%)

Green (90%)

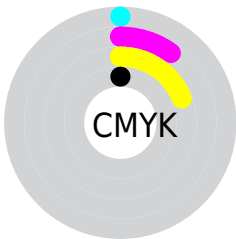
Blue (81%)



Red (100%)

Yellow (98%)

Blue (81%)

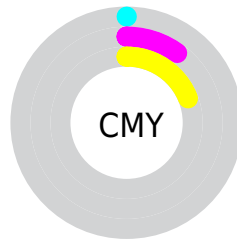


Cyan (0%)

Magenta (10%)

Yellow (19%)

Black (0%)



Cyan (0%)

Magenta (10%)

Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.7549, 0.3464, 0.3523 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 81.7549, 0.3464, 0.3523 by changing the saturation by 10% instead.



 81.7549, 0.3464,  
0.3523

 81.7549, 0.3464,  
0.3523


500.8275, 0.3311,  
0.3419

 61.1635, 0.3498,  
0.3546


135.8302, 0.3411,  
0.3488

 44.3572, 0.3541,  
0.3574


170.0830, 0.3391,  
0.3474

 30.9514, 0.3594,  
0.3608

209.6583, 0.3373,  
0.3462

 20.5618, 0.3662,  
0.3652

254.9406, 0.3357,  
0.3451

 12.8041, 0.3753,  
0.3709

306.3143, 0.3343,  
0.3442

 7.2938, 0.3881,  
0.3787

364.1637, 0.3331,

 3.6465, 0.4073,

0.3433

0.3898

428.8733, 0.3320,  
0.3426

■ 1.4779, 0.4475,  
0.4146

■ 0.2731, 0.5877,  
0.4123

■ 81.7549, 0.3464,  
0.3523

■ 81.7549, 0.3464,  
0.3523

■ 73.4350, 0.3677,  
0.3652

■ 90.8641, 0.3277,  
0.3399

■ 65.8705, 0.3918,  
0.3780

99.9920, 0.3127,  
0.3290

■ 59.0412, 0.4183,  
0.3901

■ 52.9212, 0.4468,  
0.4004

■ 47.4832, 0.4761,  
0.4076

■ 42.6972, 0.5044,  
0.4105

■ 38.5298, 0.5298,  
0.4080

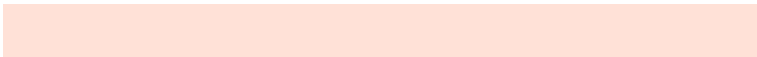
■ 34.9379, 0.5508,  
0.4003

■ 34.6762, 0.5524,  
0.3996

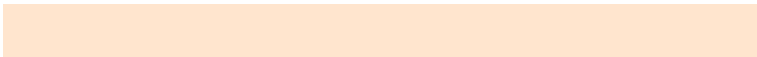
# Harmonies

## Analogous

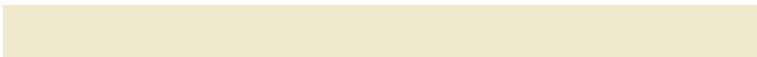
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.7549, 0.3473, 0.3390



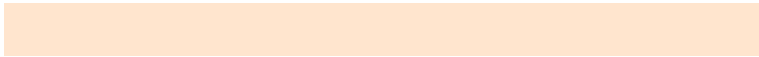
81.7549, 0.3464, 0.3523



81.7549, 0.3363, 0.3598

# Triad

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



81.7549, 0.3464, 0.3523



81.7549, 0.2873, 0.3338



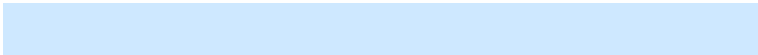
81.7549, 0.3047, 0.3011

# Complementary

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



81.7549, 0.3464, 0.3523



77.9988, 0.2824, 0.3045

# Split Complementary

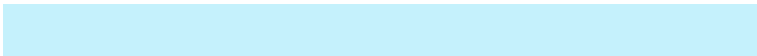
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.7549, 0.2892, 0.2992



81.7549, 0.3464, 0.3523



81.7549, 0.2793, 0.3174

# Square

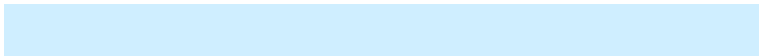
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.7549, 0.3464, 0.3523



81.7549, 0.3021, 0.3492



81.7549, 0.2800, 0.3049



81.7549, 0.3229, 0.3100



# Rectangle

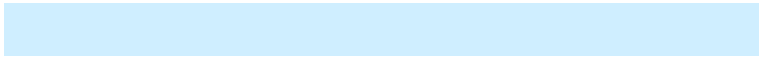
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.7549, 0.3464, 0.3523



81.7549, 0.3258, 0.3602



81.7549, 0.2800, 0.3049



81.7549, 0.2990, 0.2996

# Sweetspot

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



81.7586, 0.3464, 0.3523



93.9932, 0.3223, 0.3360



71.2151, 0.3312, 0.3029



19.9822, 0.3234, 0.3368



0.0000, 0.0000, 0.0000

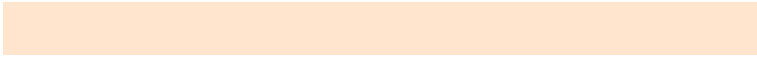


21.4041, 0.3127, 0.3290

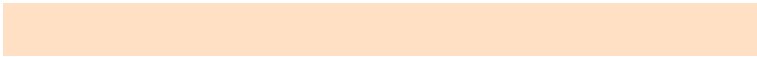


# Same Dimension

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



81.7586, 0.3464, 0.3523



78.5439, 0.3542, 0.3572



96.1631, 0.3420, 0.3755



19.3964, 0.3282, 0.3402



18.4190, 0.5497, 0.4017

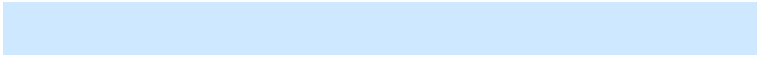


2.0100, 0.5310, 0.4166

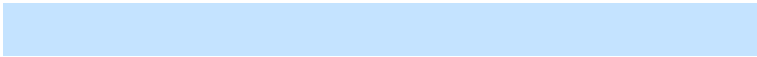


# Inverse Universe

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



77.9988, 0.2824, 0.3045



74.1621, 0.2762, 0.2991



65.2571, 0.2808, 0.2778



18.9701, 0.2979, 0.3175



13.1310, 0.1798, 0.1673

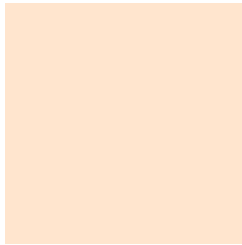


1.4974, 0.1853, 0.1871



# Previews

## White Background



This preview shows how the Yxy color 81.7549, 0.3464, 0.3523 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 81.7549, 0.3464, 0.3523 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

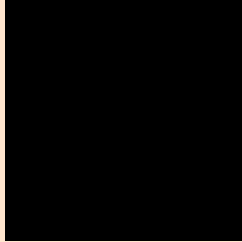
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 81.7549, 0.3464, 0.3523**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.7549, 0.3464, 0.3523.

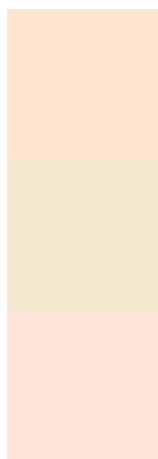


This preview shows how white text looks on a background with the Yxy color 81.7549, 0.3464, 0.3523.

# 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

81.7549, 0.3464, 0.3523

### Protanopia

82.0650, 0.3365, 0.3548

### Deuteranopia

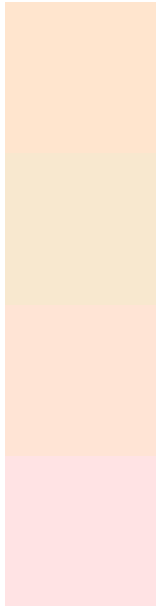
81.7566, 0.3391, 0.3401



## Tritanopia

81.9440, 0.3238, 0.3153

# Trichromacy



## Original Color

81.7549, 0.3464, 0.3523

## Protanomaly

82.1747, 0.3402, 0.3546

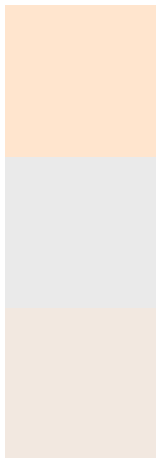
## Deuteranomaly

81.5509, 0.3418, 0.3441

## Tritanomaly

81.7996, 0.3317, 0.3281

# Monochromacy



## Original Color

81.7549, 0.3464, 0.3523

## Achromatopsia

82.2786, 0.3127, 0.3290

## Achromatomaly

81.9723, 0.3247, 0.3372

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.7549, 0.3464, 0.3523 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, 206)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 206)  
}
```

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, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 81.7549, 0.3464, 0.3523 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, 206) }
```

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

```
.border{ border-color:rgb(255, 229, 206) }
```

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, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 206);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
206) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.7549, 0.3464, 0.3523 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, 206) }
```

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

```
.background{ background-color: rgb(255,  
229, 206) }
```

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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