

# Converting Colors

$Y_{xy}(80.5271, 0.3446, 0.3464)$

Have a look what the booklet for  
Yxy(80.5271, 0.3446, 0.3464)  
contains.

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# Color

**Yxy(80.2562, 0.3449, 0.3462)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE2D1
RGB	255, 226, 209
RGB Percent	100%, 89%, 82%
CMY	0.0000, 0.1137, 0.1803
CMYK	0.00, 0.11, 0.18, 0.00
HSL	22°, 100%, 91%
HSV	22°, 18%, 100%
XYZ	79.9548, 80.2562, 71.6093
YIQ	232.7330, 22.7410, 0.8610

# Conversions

## Conversions Part 2

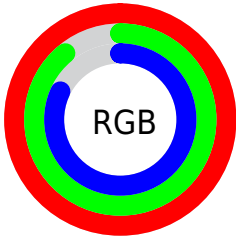
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 236, 209
Decimal	16769745
CIE <sub>Lab</sub>	91.80, 7.34, 11.93
CIE <sub>LCh</sub>	92, 14.013, 58.399
Y <sub>xy</sub>	80.2562, 0.3449, 0.3462
Android (android.graphics.Color)	4294959825 (0xFFFFE2D1)
YUV	232.7330, -11.7004, 19.5282
Hunter-Lab	89.5858, 2.5350, 15.3174

# Details

The Yxy color **80.2562, 0.3449, 0.3462** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **81.9410, 0.2845, 0.3112**, and the grayscale version is **81.3491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.4981, 0.3519, 0.3498** is the 20% darker color. If you saturate the color by 10%, you get **70.7486, 0.3671, 0.3564**, and if you desaturate by 10%, it is **90.7822, 0.3259, 0.3364**.

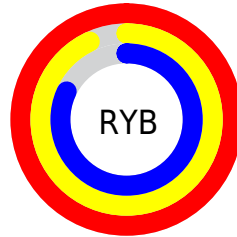
# Distribution



Red (100%)

Green (89%)

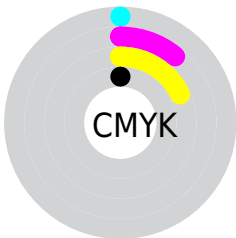
Blue (82%)



Red (100%)

Yellow (93%)

Blue (82%)

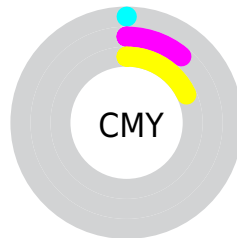


Cyan (0%)

Magenta (11%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (11%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.2562, 0.3449, 0.3462 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 80.2562, 0.3449, 0.3462 by changing the saturation by 10% instead.




 80.2562, 0.3449,  
0.3462

 80.2562, 0.3449,  
0.3462


495.7958, 0.3302,  
0.3386

 59.9292, 0.3482,  
0.3479


133.7259, 0.3398,  
0.3436

 43.3616, 0.3523,  
0.3499


167.6373, 0.3378,  
0.3426

 30.1689, 0.3574,  
0.3524


206.8458, 0.3361,  
0.3417

 19.9668, 0.3641,  
0.3556


251.7355, 0.3346,  
0.3409

 12.3709, 0.3731,  
0.3598

302.6910, 0.3333,  
0.3402

 6.9968, 0.3858,  
0.3654

360.0966, 0.3322,

 3.4601, 0.4050,

0.3396

0.3734

424.3368, 0.3311,  
0.3391

■ 1.3764, 0.4432,  
0.3901

■ 0.1992, 0.6491,  
0.3509

■ 80.2562, 0.3449,  
0.3462

■ 80.2562, 0.3449,  
0.3462

■ 70.7486, 0.3671,  
0.3564

■ 90.7822, 0.3259,  
0.3364

■ 62.2341, 0.3927,  
0.3666

100.0000, 0.3127,  
0.3290

■ 54.6766, 0.4219,  
0.3762

■ 48.0401, 0.4541,  
0.3844

■ 42.2861, 0.4881,  
0.3897

■ 37.3731, 0.5218,  
0.3911

■ 33.2550, 0.5524,  
0.3873

■ 29.8776, 0.5772,  
0.3784

■ 29.2910, 0.5816,  
0.3764

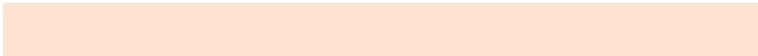
# Harmonies

## Analogous

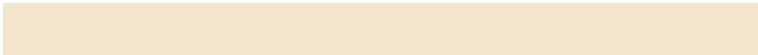
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.2562, 0.3423, 0.3329



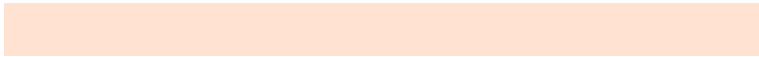
80.2562, 0.3449, 0.3462



80.2562, 0.3387, 0.3554

# Triad

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



80.2562, 0.3449, 0.3462



80.2562, 0.2940, 0.3391



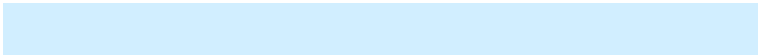
80.2562, 0.2995, 0.3019

# Complementary

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



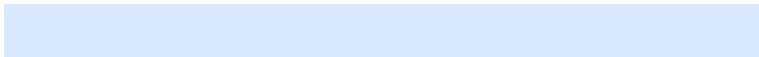
80.2562, 0.3449, 0.3462



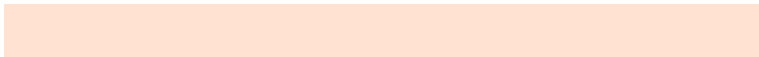
81.9410, 0.2845, 0.3112

# 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.



80.2562, 0.2871, 0.3028



80.2562, 0.3449, 0.3462



80.2562, 0.2840, 0.3239

# Square

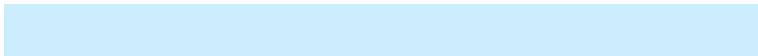
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.2562, 0.3449, 0.3462



80.2562, 0.3091, 0.3516



80.2562, 0.2815, 0.3107

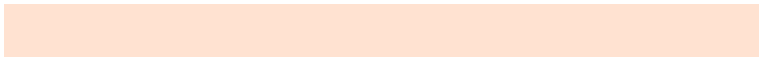


80.2562, 0.3157, 0.3078



# Rectangle

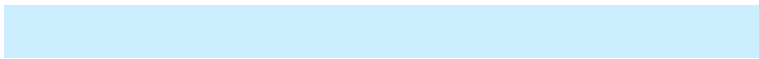
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.2562, 0.3449, 0.3462



80.2562, 0.3304, 0.3578



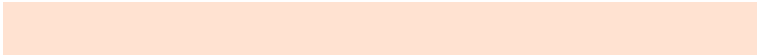
80.2562, 0.2815, 0.3107



80.2562, 0.2948, 0.3014

# Sweetspot

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



80.2540, 0.3449, 0.3462



94.1812, 0.3207, 0.3336



73.0512, 0.3265, 0.3001



19.9882, 0.3219, 0.3342



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

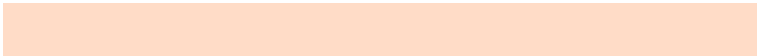


# Same Dimension

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



80.2540, 0.3449, 0.3462



76.3616, 0.3533, 0.3502



93.5348, 0.3410, 0.3683



19.0853, 0.3285, 0.3378



15.5655, 0.5786, 0.3788

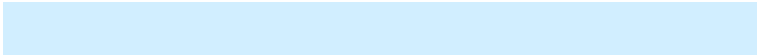


1.7159, 0.5571, 0.3958

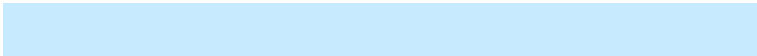


# Inverse Universe

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



81.9410, 0.2845, 0.3112



78.3584, 0.2783, 0.3068



69.4549, 0.2832, 0.2864



19.2879, 0.2979, 0.3200



17.3606, 0.1897, 0.2030

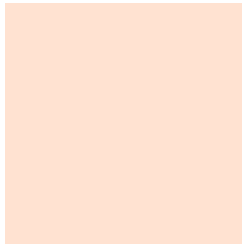


1.8994, 0.1942, 0.2190



# Previews

## White Background



This preview shows how the Yxy color 80.2562, 0.3449, 0.3462 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

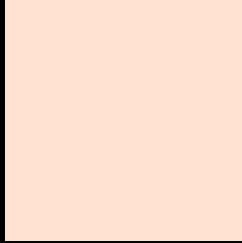
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.2562, 0.3449, 0.3462 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

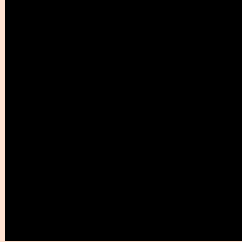
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 80.2562, 0.3449, 0.3462**

## Background



This preview shows how black text looks on a background with the Yxy color 80.2562, 0.3449, 0.3462.

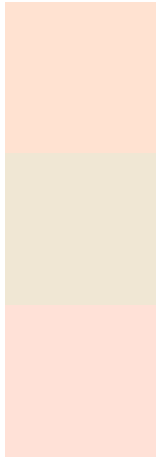


This preview shows how white text looks on a background with the Yxy color 80.2562, 0.3449, 0.3462.

# 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

80.2562, 0.3449, 0.3462

### Protanopia

80.4306, 0.3313, 0.3488

### Deuteranopia

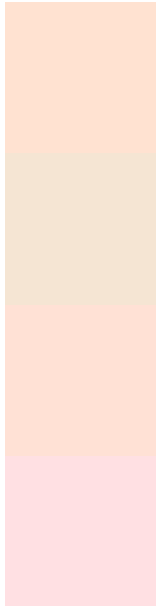
80.0167, 0.3409, 0.3391



## Tritanopia

80.2084, 0.3254, 0.3142

# Trichromacy



## Original Color

80.2562, 0.3449, 0.3462

## Protanomaly

80.1542, 0.3358, 0.3476

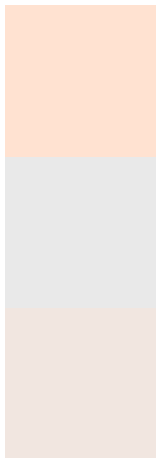
## Deuteranomaly

79.9145, 0.3423, 0.3412

## Tritanomaly

80.1174, 0.3328, 0.3261

# Monochromacy



## Original Color

80.2562, 0.3449, 0.3462

## Achromatopsia

81.4847, 0.3127, 0.3290

## Achromatomaly

80.6762, 0.3242, 0.3352

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.2562, 0.3449, 0.3462 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, 226, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 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, 226, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 80.2562, 0.3449, 0.3462 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, 226, 209) }
```

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

```
.border{ border-color:rgb(255, 226, 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, 226, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 226, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 226, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 226,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.2562, 0.3449, 0.3462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 226, 209) }
```

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

```
.background{ background-color: rgb(255,  
226, 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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