

# Converting Colors

$Yxy(82.6630, 0.3688, 0.3446)$

Have a look what the booklet for  
Yxy(82.6630, 0.3688, 0.3446)  
contains.

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# Color

**Yxy(77.3807, 0.3486, 0.3453)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFDDCD
RGB	255, 221, 205
RGB Percent	100%, 87%, 80%
CMY	0.0000, 0.1333, 0.1959
CMYK	0.00, 0.13, 0.20, 0.00
HSL	19°, 100%, 90%
HSV	19°, 20%, 100%
XYZ	78.1202, 77.3807, 68.5961
YIQ	229.3420, 25.4000, 2.2320

# Conversions

## Conversions Part 2

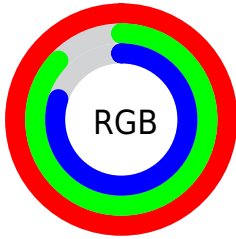
Format	Color
R <sub>Y</sub> B	255, 229, 205
Decimal	16768461
CIE Lab	90.50, 9.32, 12.16
CIE LCh	90, 15.324, 52.533
Yxy	77.3807, 0.3486, 0.3453
Android (android.graphics.Color)	4294958541 (0xFFFFDDCD)
YUV	229.3420, -12.0006, 22.5021
Hunter-Lab	87.9663, 4.5794, 15.3421

# Details

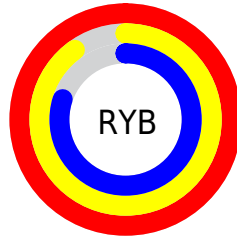
The Yxy color **77.3807, 0.3486, 0.3453** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **81.9552, 0.2822, 0.3121**, and the grayscale version is **78.6983, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.5126, 0.3570, 0.3486** is the 20% darker color. If you saturate the color by 10%, you get **67.5563, 0.3719, 0.3542**, and if you desaturate by 10%, it is **88.3576, 0.3288, 0.3367**.

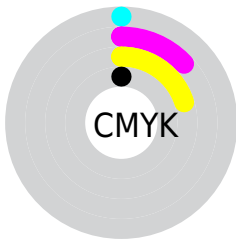
# Distribution



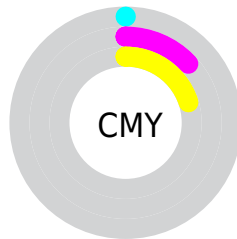
- Red (100%)
- Green (87%)
- Blue (80%)



- Red (100%)
- Yellow (90%)
- Blue (80%)



- Cyan (0%)
- Magenta (13%)
- Yellow (20%)
- Black (0%)




- Cyan (0%)
- Magenta (13%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.3807, 0.3486, 0.3453 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 77.3807, 0.3486, 0.3453 by changing the saturation by 10% instead.



 77.3807, 0.3486,  
0.3453

 77.3807, 0.3486,  
0.3453


486.0611, 0.3321,  
0.3381

 57.5654, 0.3524,  
0.3469


129.6767, 0.3429,  
0.3429

 41.4593, 0.3570,  
0.3488


162.9262, 0.3406,  
0.3419

 28.6782, 0.3629,  
0.3511


201.4226, 0.3387,  
0.3410

 18.8375, 0.3705,  
0.3541

245.5502, 0.3370,  
0.3403

 11.5529, 0.3808,  
0.3580

295.6935, 0.3356,  
0.3397

 6.4400, 0.3956,  
0.3631

352.2368, 0.3343,

 3.1145, 0.4182,

0.3391

0.3702

415.5645, 0.3331,  
0.3385

■ 1.1918, 0.4715,  
0.3920

■ 0.0550, 0.8358,  
0.1642

■ 77.3807, 0.3486,  
0.3453

■ 77.3807, 0.3486,  
0.3453

■ 67.5563, 0.3719,  
0.3542

■ 88.3576, 0.3288,  
0.3367

■ 58.8387, 0.3992,  
0.3630

100.0000, 0.3127,  
0.3290

■ 51.1899, 0.4304,  
0.3712

■ 44.5665, 0.4650,  
0.3778

■ 38.9224, 0.5015,  
0.3815

■ 34.2071, 0.5373,  
0.3812

■ 30.3647, 0.5689,  
0.3760

■ 27.3266, 0.5937,  
0.3664

■ 27.2185, 0.5947,  
0.3660

# Harmonies

## Analogous

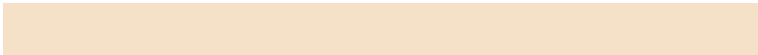
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.3807, 0.3437, 0.3302



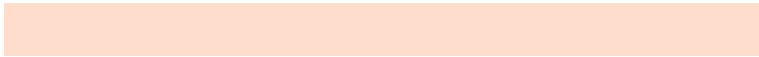
77.3807, 0.3486, 0.3453



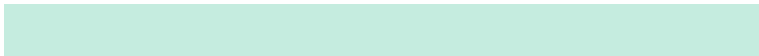
77.3807, 0.3435, 0.3567

# Triad

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



77.3807, 0.3486, 0.3453



77.3807, 0.2950, 0.3433



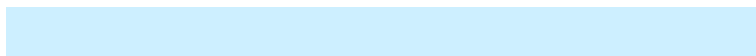
77.3807, 0.2949, 0.2987

# Complementary

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



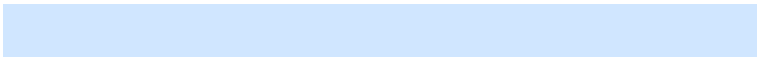
77.3807, 0.3486, 0.3453



81.9552, 0.2822, 0.3121

# 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.



77.3807, 0.2826, 0.3012



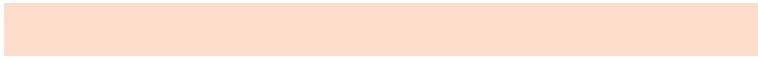
77.3807, 0.3486, 0.3453



77.3807, 0.2826, 0.3266

# Square

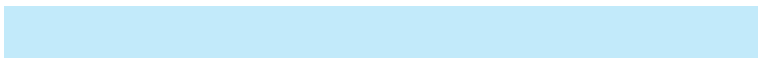
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.3807, 0.3486, 0.3453



77.3807, 0.3123, 0.3561



77.3807, 0.2781, 0.3112



77.3807, 0.3124, 0.3038

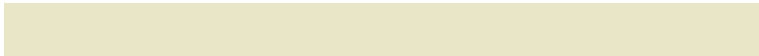


# Rectangle

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



77.3807, 0.3486, 0.3453



77.3807, 0.3353, 0.3605



77.3807, 0.2781, 0.3112



77.3807, 0.2901, 0.2986

# Sweetspot

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



77.3832, 0.3486, 0.3453



92.5902, 0.3225, 0.3338



71.1810, 0.3261, 0.2950



19.6511, 0.3236, 0.3343



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

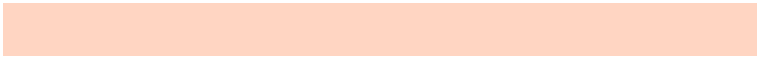


# Same Dimension

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



77.3832, 0.3486, 0.3453



72.9151, 0.3584, 0.3492



91.4833, 0.3440, 0.3695



18.9345, 0.3286, 0.3367



14.4592, 0.5917, 0.3684

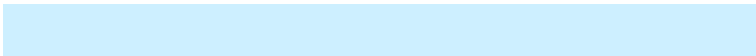


1.5952, 0.5697, 0.3859

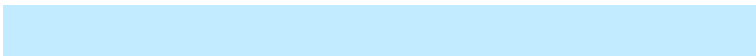


# Inverse Universe

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



81.9552, 0.2822, 0.3121



78.3327, 0.2754, 0.3079



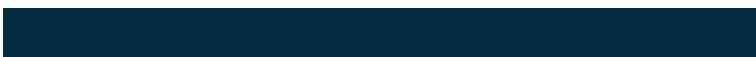
68.3951, 0.2806, 0.2850



19.4450, 0.2980, 0.3212



19.7724, 0.1947, 0.2208

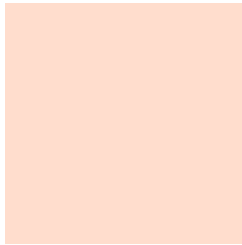


2.1226, 0.1985, 0.2346



# Previews

## White Background



This preview shows how the Yxy color 77.3807, 0.3486, 0.3453 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

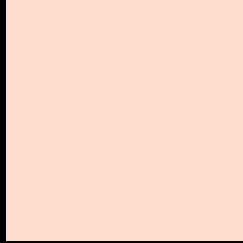
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.3807, 0.3486, 0.3453 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

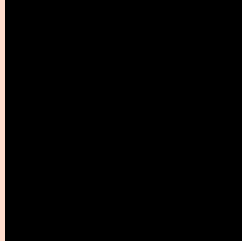
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 77.3807, 0.3486, 0.3453**

## Background



This preview shows how black text looks on a background with the Yxy color 77.3807, 0.3486, 0.3453.



This preview shows how white text looks on a background with the Yxy color 77.3807, 0.3486, 0.3453.

# 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

77.3807, 0.3486, 0.3453

### Protanopia

77.4968, 0.3323, 0.3491

### Deuteranopia

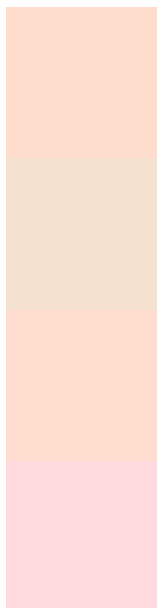
77.5270, 0.3465, 0.3423



## Tritanopia

77.2860, 0.3293, 0.3141

# Trichromacy



## Original Color

77.3807, 0.3486, 0.3453

## Protanomaly

77.5885, 0.3384, 0.3478

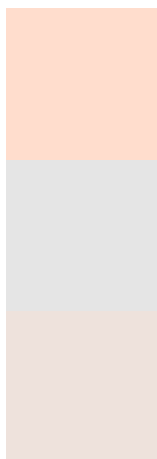
## Deuteranomaly

77.4779, 0.3472, 0.3433

## Tritanomaly

77.2507, 0.3362, 0.3251

# Monochromacy



## Original Color

77.3807, 0.3486, 0.3453

## Achromatopsia

78.3538, 0.3127, 0.3290

## Achromatomaly

77.7372, 0.3251, 0.3353

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.3807, 0.3486, 0.3453 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, 221, 205)` looks like.

```
.text, #text, p{  
    color:rgb(255, 221, 205)  
}
```

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, 221, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 221, 205) }
```

## Border

The CSS property to change the border of an element to Yxy 77.3807, 0.3486, 0.3453 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, 221, 205) }
```

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

```
.border{ border-color:rgb(255, 221, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 221, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 221, 205); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 221, 205); box-shadow:4px 4px 4px 4px rgb(255, 221, 205) }
```



# Background

The CSS property to change the background color of an element to  $Yxy\ 77.3807, 0.3486, 0.3453$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 221, 205) }
```

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

```
.background{ background-color: rgb(255,  
221, 205) }
```

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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