

# Converting Colors

$Y_{xy}(78.0386, 0.3491, 0.3477)$

Have a look what the booklet for  
Yxy(78.0386, 0.3491, 0.3477)  
contains.

<b>Yxy(77.8622, 0.3491, 0.3474)</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(77.8622, 0.3491, 0.3474)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFDECC
RGB	255, 222, 204
RGB Percent	100%, 87%, 80%
CMY	0.0002, 0.1293, 0.2000
CMYK	0.00, 0.13, 0.20, 0.00
HSL	21°, 100%, 90%
HSV	21°, 20%, 100%
XYZ	78.2432, 77.8622, 68.0230
YIQ	229.8150, 25.4460, 1.3980

# Conversions

## Conversions Part 2

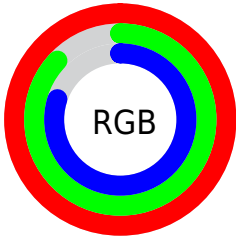
Format	Color
R <sub>Y</sub> B	255, 232, 204
Decimal	16768716
CIE Lab	90.72, 8.62, 13.02
CIE LCh	91, 15.614, 56.505
Yxy	77.8622, 0.3491, 0.3474
Android (android.graphics.Color)	4294958796 (0xFFFFDECC)
YUV	229.8150, -12.7268, 22.0872
Hunter-Lab	88.2396, 3.8591, 16.0616

# Details

The Yxy color  $77.8622, 0.3491, 0.3474$  is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be  $80.5637, 0.2815, 0.3098$ , and the grayscale version is  $79.0661, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $41.8452, 0.3577, 0.3512$  is the 20% darker color. If you saturate the color by 10%, you get  $68.4145, 0.3721, 0.3572$ , and if you desaturate by 10%, it is  $88.3717, 0.3294, 0.3379$ .

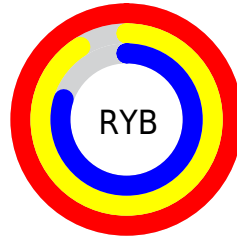
# Distribution



Red (100%)

Green (87%)

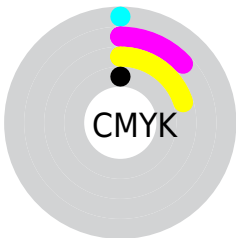
Blue (80%)



Red (100%)

Yellow (91%)

Blue (80%)

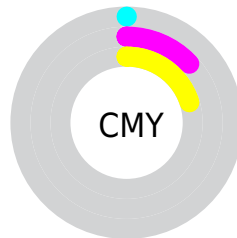


Cyan (0%)

Magenta (13%)

Yellow (20%)

Black (0%)



Cyan (0%)

Magenta (13%)


Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.8622, 0.3491, 0.3474 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 77.8622, 0.3491, 0.3474 by changing the saturation by 10% instead.




 77.8622, 0.3491,  
0.3474

 77.8622, 0.3491,  
0.3474

487.6987, 0.3324,  
0.3392

 57.9608, 0.3529,  
0.3492


130.3558, 0.3433,  
0.3446

 41.7771, 0.3576,  
0.3514


163.7169, 0.3410,  
0.3435

 28.9268, 0.3635,  
0.3540


202.3332, 0.3391,  
0.3426

 19.0255, 0.3712,  
0.3574

246.5893, 0.3374,  
0.3417

 11.6887, 0.3816,  
0.3618

296.8695, 0.3359,  
0.3410

 6.5321, 0.3963,  
0.3677

353.5582, 0.3346,

 3.1712, 0.4189,

0.3403

0.3759

417.0398, 0.3334,  
0.3398

■ 1.2218, 0.4735,  
0.4012

■ 0.0794, 0.7826,  
0.2174

■ 77.8622, 0.3491,  
0.3474

■ 77.8622, 0.3491,  
0.3474

■ 68.4145, 0.3721,  
0.3572

■ 88.3717, 0.3294,  
0.3379

■ 59.9838, 0.3988,  
0.3670

99.9649, 0.3127,  
0.3290

■ 52.5378, 0.4291,  
0.3760

99.9891, 0.3127,  
0.3290

■ 46.0379, 0.4624,  
0.3833

■ 40.4432, 0.4973,  
0.3877

■ 35.7088, 0.5313,  
0.3878

■ 31.7853, 0.5615,  
0.3828

■ 28.6095, 0.5857,  
0.3732

■ 28.6057, 0.5857,  
0.3732

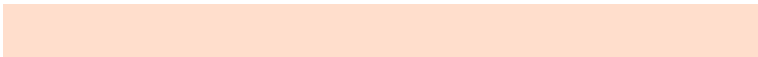
# Harmonies

## Analogous

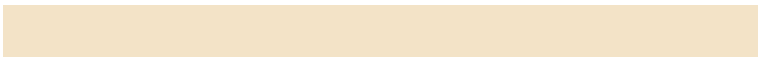
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8622, 0.3455, 0.3323



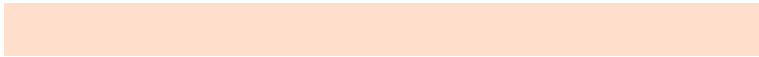
77.8622, 0.3491, 0.3474



77.8622, 0.3426, 0.3583

# Triad

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



77.8622, 0.3491, 0.3474



77.8622, 0.2926, 0.3414



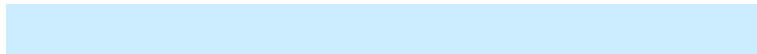
77.8622, 0.2968, 0.2985

# Complementary

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



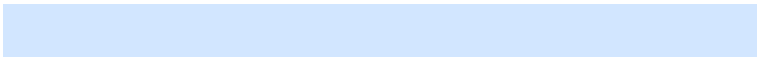
77.8622, 0.3491, 0.3474



80.5637, 0.2815, 0.3098

# 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.



77.8622, 0.2833, 0.2999



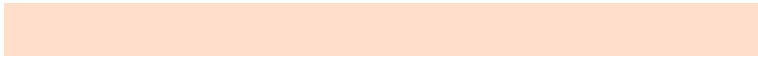
77.8622, 0.3491, 0.3474



77.8622, 0.2810, 0.3243

# Square

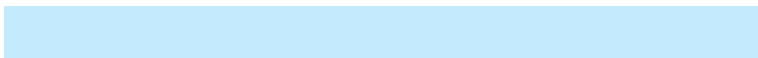
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.8622, 0.3491, 0.3474



77.8622, 0.3098, 0.3553



77.8622, 0.2776, 0.3091



77.8622, 0.3148, 0.3046



# Rectangle

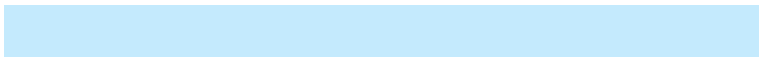
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.8622, 0.3491, 0.3474



77.8622, 0.3336, 0.3614



77.8622, 0.2776, 0.3091



77.8622, 0.2916, 0.2981

# Sweetspot

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



77.8657, 0.3491, 0.3474



92.9090, 0.3224, 0.3343



70.5498, 0.3277, 0.2960



19.7263, 0.3235, 0.3349



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.



77.8657, 0.3491, 0.3474



73.9855, 0.3579, 0.3513



92.3130, 0.3443, 0.3719



19.0392, 0.3285, 0.3375



15.2083, 0.5827, 0.3755

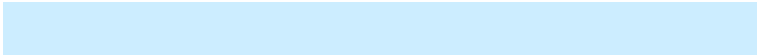


1.6775, 0.5610, 0.3928

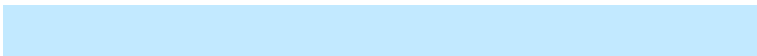


# Inverse Universe

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



80.5637, 0.2815, 0.3098



77.1290, 0.2752, 0.3055



66.9546, 0.2797, 0.2821



19.3357, 0.2980, 0.3204



18.0725, 0.1912, 0.2084

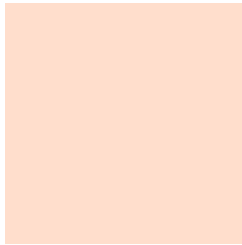


1.9656, 0.1955, 0.2237



# Previews

## White Background



This preview shows how the Yxy color 77.8622, 0.3491, 0.3474 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 77.8622, 0.3491, 0.3474 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

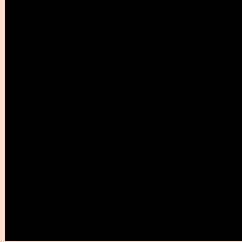
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 77.8622, 0.3491, 0.3474**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.8622, 0.3491, 0.3474.

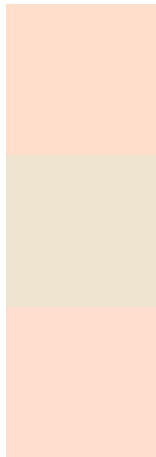


This preview shows how white text looks on a background with the Yxy color 77.8622, 0.3491, 0.3474.

# 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

77.8622, 0.3491, 0.3474

### Protanopia

78.1689, 0.3336, 0.3511

### Deuteranopia

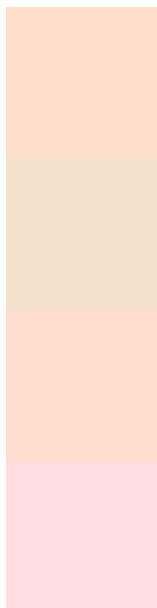
78.0566, 0.3463, 0.3433



## Tritanopia

77.8635, 0.3285, 0.3141

# Trichromacy



## Original Color

77.8622, 0.3491, 0.3474

## Protanomaly

78.0820, 0.3389, 0.3498

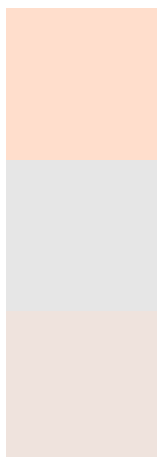
## Deuteranomaly

78.0075, 0.3470, 0.3443

## Tritanomaly

77.7741, 0.3360, 0.3261

# Monochromacy



## Original Color

77.8622, 0.3491, 0.3474

## Achromatopsia

79.1298, 0.3127, 0.3290

## Achromatomaly

78.5094, 0.3250, 0.3353

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.8622, 0.3491, 0.3474 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, 222, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 204)  
}
```

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, 222, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 77.8622, 0.3491, 0.3474 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, 222, 204) }
```

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

```
.border{ border-color:rgb(255, 222, 204) }
```

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

Here you see how a box with a 4 pixel rgb(255, 222, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.8622, 0.3491, 0.3474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 222, 204) }
```

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

```
.background{ background-color: rgb(255,  
222, 204) }
```

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