

# Converting Colors

$Y_{xy}(77.8371, 0.3466, 0.3417)$

Have a look what the booklet for  
Yxy(77.8371, 0.3466, 0.3417)  
contains.

<b>Yxy(77.5764, 0.3458, 0.3412)</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(77.5764, 0.3458, 0.3412)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFDDD1
RGB	255, 221, 209
RGB Percent	100%, 87%, 82%
CMY	0.0000, 0.1334, 0.1803
CMYK	0.00, 0.13, 0.18, 0.00
HSL	16°, 100%, 91%
HSV	16°, 18%, 100%
XYZ	78.6223, 77.5764, 71.1648
YIQ	229.7980, 24.1160, 3.4760

# Conversions

## Conversions Part 2

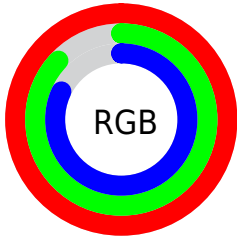
Format	Color
R <sub>Y</sub> B	255, 225, 209
Decimal	16768465
CIE Lab	90.59, 9.94, 10.20
CIE LCh	91, 14.242, 45.760
Yxy	77.5764, 0.3458, 0.3412
Android (android.graphics.Color)	4294958545 (0xFFFFDDD1)
YUV	229.7980, -10.2534, 22.1022
Hunter-Lab	88.0775, 5.2023, 13.7491

# Details

The Yxy color  $77.5764, 0.3458, 0.3412$  is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be  $84.9022, 0.2848, 0.3165$ , and the grayscale version is  $79.0312, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $41.6448, 0.3533, 0.3434$  is the 20% darker color. If you saturate the color by 10%, you get  $66.9976, 0.3692, 0.3485$ , and if you desaturate by 10%, it is  $89.4624, 0.3261, 0.3343$ .

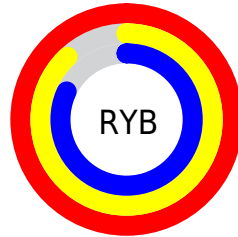
# Distribution



Red (100%)

Green (87%)

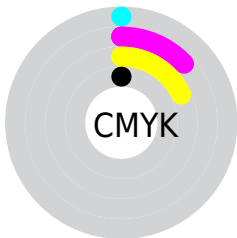
Blue (82%)



Red (100%)

Yellow (88%)

Blue (82%)

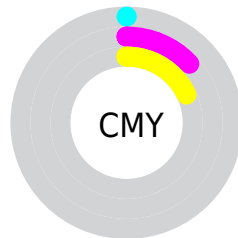


Cyan (0%)

Magenta (13%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (13%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.5764, 0.3458, 0.3412 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 77.5764, 0.3458, 0.3412 by changing the saturation by 10% instead.




 77.5764, 0.3458,  
0.3412

 77.5764, 0.3458,  
0.3412


486.7270, 0.3306,  
0.3358

 57.7261, 0.3493,  
0.3424


129.9528, 0.3405,  
0.3394

 41.5885, 0.3535,  
0.3438


163.2477, 0.3385,  
0.3387

 28.7792, 0.3589,  
0.3455

201.7928, 0.3367,  
0.3380

 18.9138, 0.3660,  
0.3477

245.9727, 0.3352,  
0.3375

 11.6080, 0.3755,  
0.3505

296.1717, 0.3338,  
0.3370

 6.4774, 0.3892,  
0.3542

352.7741, 0.3326,

 3.1375, 0.4102,

0.3366

0.3593

416.1644, 0.3315,  
0.3362

1.2039, 0.4539,  
0.3721

0.0649, 0.8242,  
0.1758

77.5764, 0.3458,  
0.3412

77.5764, 0.3458,  
0.3412

66.9976, 0.3692,  
0.3485

89.4624, 0.3261,  
0.3343

57.7010, 0.3970,  
0.3557

100.0000, 0.3127,  
0.3290

49.6303, 0.4294,  
0.3625

42.7328, 0.4658,  
0.3679

■ 36.9522, 0.5049,  
0.3710

■ 32.2269, 0.5437,  
0.3705

■ 28.4889, 0.5781,  
0.3656

■ 25.6589, 0.6042,  
0.3567

■ 25.1969, 0.6086,  
0.3549

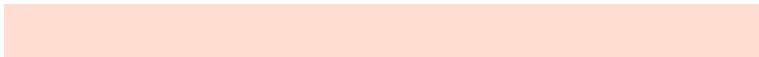
# Harmonies

## Analogous

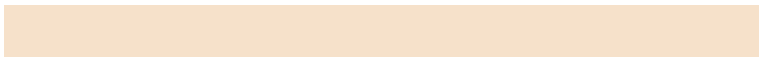
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.5764, 0.3393, 0.3268



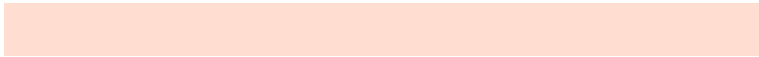
77.5764, 0.3458, 0.3412



77.5764, 0.3431, 0.3529

# Triad

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



77.5764, 0.3458, 0.3412



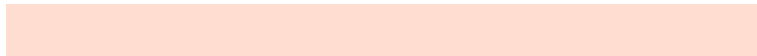
77.5764, 0.2996, 0.3454



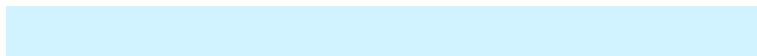
77.5764, 0.2931, 0.3007

# Complementary

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



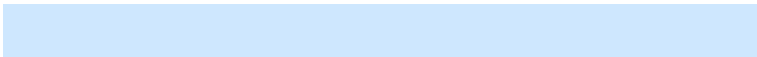
77.5764, 0.3458, 0.3412



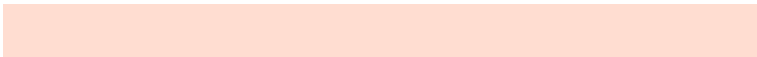
84.9022, 0.2848, 0.3165

# 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.



77.5764, 0.2830, 0.3047



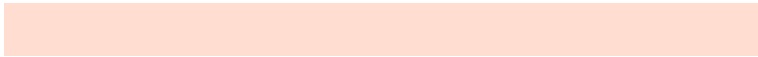
77.5764, 0.3458, 0.3412



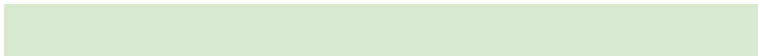
77.5764, 0.2867, 0.3304

# Square

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



77.5764, 0.3458, 0.3412



77.5764, 0.3162, 0.3559



77.5764, 0.2807, 0.3154



77.5764, 0.3085, 0.3039



# Rectangle

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



77.5764, 0.3458, 0.3412



77.5764, 0.3366, 0.3575



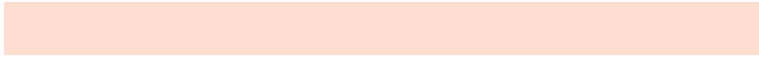
77.5764, 0.2807, 0.3154



77.5764, 0.2890, 0.3012

# Sweetspot

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



77.5692, 0.3458, 0.3412



93.3344, 0.3208, 0.3322



73.3734, 0.3228, 0.2949



19.7828, 0.3220, 0.3327



0.0000, 0.0000, 0.0000

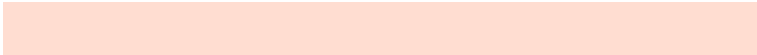


21.4041, 0.3127, 0.3290



# Same Dimension

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



77.5692, 0.3458, 0.3412



73.2172, 0.3546, 0.3441



90.2687, 0.3419, 0.3632



18.7553, 0.3288, 0.3353



13.3694, 0.6058, 0.3571

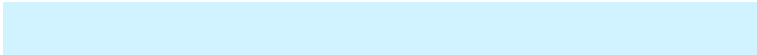


1.4698, 0.5840, 0.3745

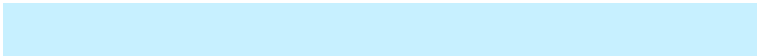


# Inverse Universe

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



84.9022, 0.2848, 0.3165



81.9068, 0.2788, 0.3134



72.2365, 0.2835, 0.2923



19.6344, 0.2980, 0.3227



22.9675, 0.2006, 0.2421

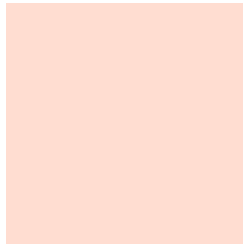


2.4135, 0.2037, 0.2532



# Previews

## White Background



This preview shows how the Yxy color 77.5764, 0.3458, 0.3412 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

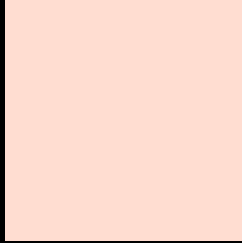
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.5764, 0.3458, 0.3412 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

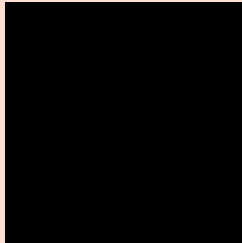
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

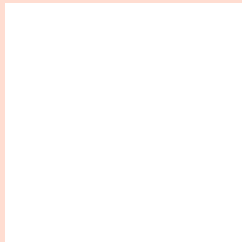
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 77.5764, 0.3458, 0.3412**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.5764, 0.3458, 0.3412.



This preview shows how white text looks on a background with the Yxy color 77.5764, 0.3458, 0.3412.

# 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

77.5764, 0.3458, 0.3412

### Protanopia

77.5245, 0.3289, 0.3448

### Deuteranopia

77.6761, 0.3443, 0.3392



## Tritanopia

77.2860, 0.3293, 0.3141

# Trichromacy



## Original Color

77.5764, 0.3458, 0.3412

## Protanomaly

77.6083, 0.3349, 0.3436

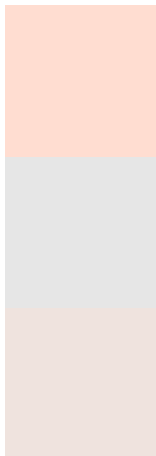
## Deuteranomaly

77.6260, 0.3451, 0.3402

## Tritanomaly

77.3049, 0.3355, 0.3241

# Monochromacy



## Original Color

77.5764, 0.3458, 0.3412

## Achromatopsia

79.1298, 0.3127, 0.3290

## Achromatomaly

78.5628, 0.3244, 0.3342

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.5764, 0.3458, 0.3412 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 221, 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, 221, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 221, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 77.5764, 0.3458, 0.3412 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, 209) }
```

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

```
.border{ border-color:rgb(255, 221, 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, 221, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 221, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 221, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 221,  
209) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 77.5764, 0.3458, 0.3412$  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, 209) }
```

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

```
.background{ background-color: rgb(255,  
221, 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](#).

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