

Converting Colors

$Y_{xy}(89.7375, 0.3927, 0.3471)$

Have a look what the booklet for
Yxy(89.7375, 0.3927, 0.3471)
contains.

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Color

Yxy(77.7196, 0.3513, 0.3504)

Conversions

Conversions Part 1

Format	Color
Hex	FFDEC9
RGB	255, 222, 201
RGB Percent	100%, 87%, 79%
CMY	0.0000, 0.1295, 0.2117
CMYK	0.00, 0.13, 0.21, 0.00
HSL	23°, 100%, 89%
HSV	23°, 21%, 100%
XYZ	77.9192, 77.7196, 66.1637
YIQ	229.4730, 26.4090, 0.4650

Conversions

Conversions Part 2

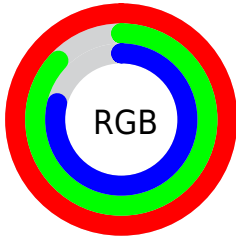
Format	Color
R _Y B	255, 235, 201
Decimal	16768713
CIE Lab	90.65, 8.25, 14.48
CIE LCh	91, 16.667, 60.328
Yxy	77.7196, 0.3513, 0.3504
Android (android.graphics.Color)	4294958793 (0xFFFFDEC9)
YUV	229.4730, -14.0372, 22.3872
Hunter-Lab	88.1587, 3.4897, 17.2136

Details

The Yxy color **77.7196, 0.3513, 0.3504** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **78.5042, 0.2795, 0.3066**, and the grayscale version is **78.8067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.7498, 0.3605, 0.3552** is the 20% darker color. If you saturate the color by 10%, you get **68.7071, 0.3742, 0.3612**, and if you desaturate by 10%, it is **87.6854, 0.3315, 0.3400**.

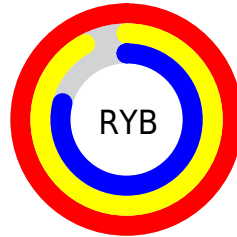
Distribution



Red (100%)

Green (87%)

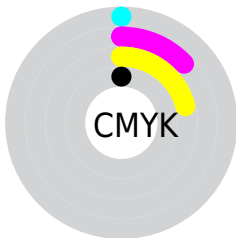
Blue (79%)



Red (100%)

Yellow (92%)

Blue (79%)

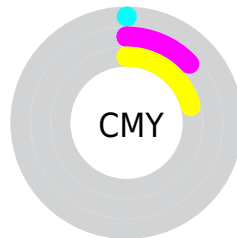


Cyan (0%)

Magenta (13%)

Yellow (21%)

Black (0%)



Cyan (0%)


Magenta (13%)


Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.7196, 0.3513, 0.3504 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 77.7196, 0.3513, 0.3504 by changing the saturation by 10% instead.


 77.7196, 0.3513,
0.3504

 77.7196, 0.3513,
0.3504


487.2140, 0.3335,
0.3409

 57.8437, 0.3553,
0.3525


130.1548, 0.3452,
0.3472

 41.6830, 0.3603,
0.3550


163.4828, 0.3428,
0.3459

 28.8531, 0.3666,
0.3581

202.0637, 0.3407,
0.3448

 18.9698, 0.3747,
0.3621

246.2817, 0.3389,
0.3438

 11.6484, 0.3857,
0.3673

296.5214, 0.3373,
0.3429

 6.5048, 0.4012,
0.3742

353.1671, 0.3359,

 3.1544, 0.4249,

0.3422

0.3837

416.6032, 0.3347,
0.3415

1.2128, 0.4888,
0.4177

0.0722, 0.7891,
0.2109

77.7196, 0.3513,
0.3504

77.7196, 0.3513,
0.3504

68.7071, 0.3742,
0.3612

87.6854, 0.3315,
0.3400

60.6356, 0.4006,
0.3718

98.6519, 0.3145,
0.3301

53.4669, 0.4302,
0.3815

100.0000, 0.3127,
0.3290

47.1666, 0.4623,
0.3894

■ 41.6979, 0.4955,
0.3941

■ 37.0207, 0.5277,
0.3943

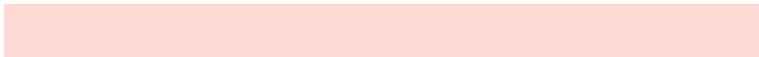
■ 33.0904, 0.5559,
0.3891

■ 30.1930, 0.5762,
0.3807

Harmonies

Analogous

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



77.7196, 0.3488, 0.3346



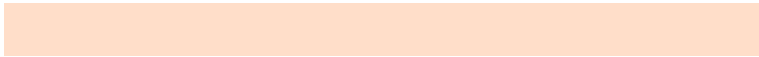
77.7196, 0.3513, 0.3504



77.7196, 0.3431, 0.3612

Triad

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



77.7196, 0.3513, 0.3504



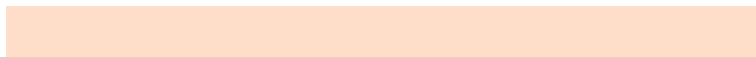
77.7196, 0.2893, 0.3400



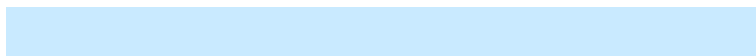
77.7196, 0.2979, 0.2969

Complementary

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



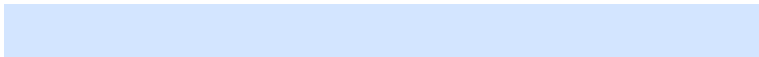
77.7196, 0.3513, 0.3504



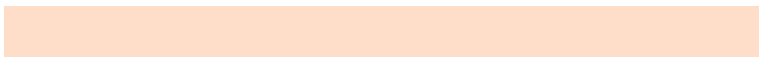
78.5042, 0.2795, 0.3066

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.



77.7196, 0.2828, 0.2973



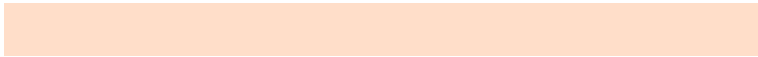
77.7196, 0.3513, 0.3504



77.7196, 0.2779, 0.3216

Square

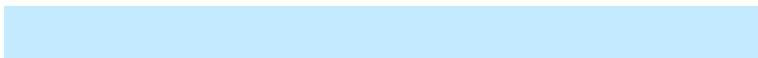
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.7196, 0.3513, 0.3504



77.7196, 0.3070, 0.3556



77.7196, 0.2755, 0.3061



77.7196, 0.3175, 0.3044

Rectangle

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



77.7196, 0.3513, 0.3504



77.7196, 0.3328, 0.3638



77.7196, 0.2755, 0.3061



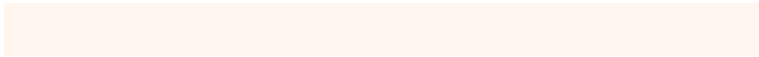
77.7196, 0.2922, 0.2961

Sweetspot

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



77.7135, 0.3513, 0.3504



93.2280, 0.3224, 0.3348



69.0004, 0.3301, 0.2957



19.8015, 0.3235, 0.3354



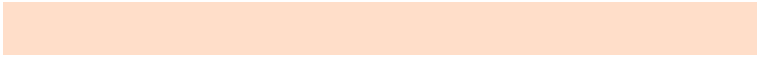
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



77.7135, 0.3513, 0.3504



74.1506, 0.3597, 0.3545



93.0454, 0.3460, 0.3762



19.1441, 0.3285, 0.3383



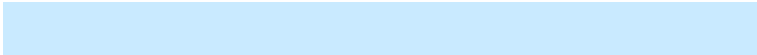
16.0448, 0.5733, 0.3830



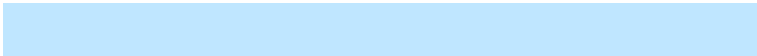
1.7668, 0.5522, 0.3997

Inverse Universe

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



78.5042, 0.2795, 0.3066



75.0548, 0.2735, 0.3020



64.4195, 0.2774, 0.2770



19.2272, 0.2979, 0.3195



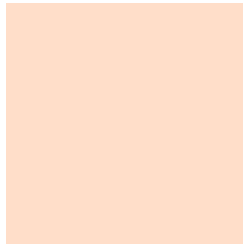
16.4866, 0.1878, 0.1961



1.8176, 0.1925, 0.2129

Previews

White Background



This preview shows how the Yxy color 77.7196, 0.3513, 0.3504 looks on a white background.

Color Contrast Check

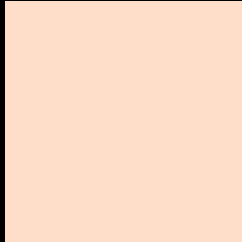
Large Text (above 18pt) WCAG AA × Fail

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 77.7196, 0.3513, 0.3504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

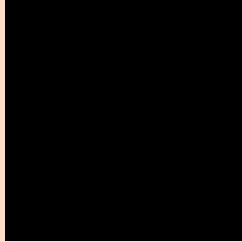
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.7196, 0.3513, 0.3504

Background



This preview shows how black text looks on a background with the Yxy color 77.7196, 0.3513, 0.3504.



This preview shows how white text looks on a background with the Yxy color 77.7196, 0.3513, 0.3504.

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

77.7196, 0.3513, 0.3504

Protanopia

78.0236, 0.3356, 0.3543

Deuteranopia

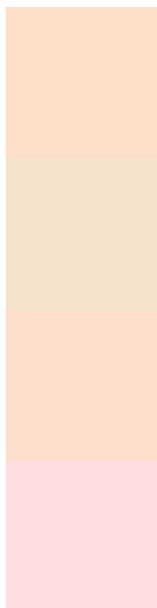
77.4291, 0.3479, 0.3443



Tritanopia

77.8062, 0.3292, 0.3151

Trichromacy



Original Color

77.7196, 0.3513, 0.3504

Protanomaly

77.9376, 0.3410, 0.3530

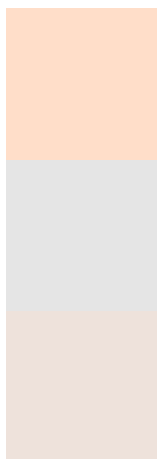
Deuteranomaly

77.3325, 0.3493, 0.3464

Tritanomaly

77.6669, 0.3374, 0.3281

Monochromacy



Original Color

77.7196, 0.3513, 0.3504

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

77.6843, 0.3258, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7196, 0.3513, 0.3504 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, 201)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 201)  
}
```

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, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 201) }
```

Border

The CSS property to change the border of an element to Yxy 77.7196, 0.3513, 0.3504 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, 201) }
```

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

```
.border{ border-color:rgb(255, 222, 201) }
```

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, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 201);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 77.7196, 0.3513, 0.3504 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, 201) }
```

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

```
.background{ background-color: rgb(255,  
222, 201) }
```

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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