

Converting Colors

$Y_{xy}(77.0972, 0.3732, 0.3840)$

Have a look what the booklet for
Yxy(77.0972, 0.3732, 0.3840)
contains.

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Color

Yxy(76.9376, 0.3730, 0.3832)

Conversions

Conversions Part 1

Format	Color
Hex	FFDFAA
RGB	255, 223, 170
RGB Percent	100%, 87%, 67%
CMY	0.0000, 0.1255, 0.3332
CMYK	0.00, 0.13, 0.33, 0.00
HSL	37°, 100%, 83%
HSV	37°, 33%, 100%
XYZ	74.8897, 76.9376, 48.9493
YIQ	226.5260, 36.0850, -9.6990

Conversions

Conversions Part 2

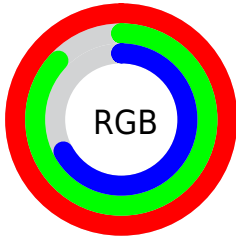
Format	Color
R _Y B	221, 255, 170
Decimal	16768938
CIE Lab	90.29, 3.65, 30.05
CIE LCh	90, 30.273, 83.071
Yxy	76.9376, 0.3730, 0.3832
Android (android.graphics.Color)	4294959018 (0xFFFFDFAA)
YUV	226.5260, -27.8673, 24.9717
Hunter-Lab	87.7141, -1.0976, 28.3127

Details

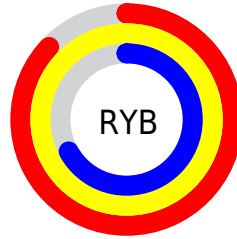
The Yxy color $76.9376, 0.3730, 0.3832$ is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be $58.0272, 0.2574, 0.2678$, and the grayscale version is $76.6417, 0.3127, 0.3290$.

A 20% lighter version of the original color is $98.2710, 0.3298, 0.3572$, and $41.1599, 0.3867, 0.3956$ is the 20% darker color. If you saturate the color by 10%, you get $71.0774, 0.3946, 0.3995$, and if you desaturate by 10%, it is $83.2777, 0.3528, 0.3665$.

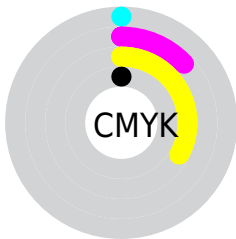
Distribution



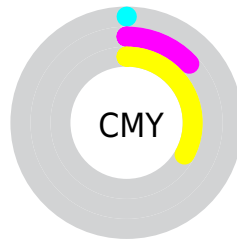
- Red (100%)
- Green (87%)
- Blue (67%)



- Red (87%)
- Yellow (100%)
- Blue (67%)



- Cyan (0%)
- Magenta (13%)
- Yellow (33%)
- Black (0%)





- Cyan (0%)
- Magenta (13%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.9376, 0.3730, 0.3832 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 76.9376, 0.3730, 0.3832 by changing the saturation by 10% instead.


 76.9376, 0.3730,
0.3832

 76.9376, 0.3730,
0.3832


484.5512, 0.3455,
0.3589

 57.2017, 0.3791,
0.3885


 129.0514, 0.3636,
0.3749

 41.1672, 0.3865,
0.3949


162.1980, 0.3599,
0.3717

 28.4497, 0.3958,
0.4028


200.5837, 0.3567,
0.3688

 18.6649, 0.4074,
0.4126

244.5928, 0.3539,
0.3663

 11.4284, 0.4226,
0.4251

294.6097, 0.3514,
0.3641

 6.3558, 0.4426,
0.4410

351.0188, 0.3492,

 3.0626, 0.4779,

0.3622

0.4692

414.2045, 0.3473,
0.3604

■ 1.1645, 0.5111,
0.4889

■ 0.0324, 0.7872,
0.2128

■ 76.9376, 0.3730,
0.3832

■ 76.9376, 0.3730,
0.3832

■ 71.0774, 0.3946,
0.3995

■ 83.2777, 0.3528,
0.3665

■ 65.6791, 0.4173,
0.4145

■ 90.1100, 0.3344,
0.3499

■ 60.7266, 0.4400,
0.4270

■ 97.4491, 0.3178,
0.3341

■ 56.2013, 0.4618,
0.4359

100.0000, 0.3127,
0.3290

■ 52.0826, 0.4815,
0.4400

■ 48.3461, 0.4979,
0.4388

■ 46.0421, 0.5072,
0.4355

Harmonies

Analogous

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



76.9376, 0.3842, 0.3597



76.9376, 0.3730, 0.3832



76.9376, 0.3455, 0.3933

Triad

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



76.9376, 0.3730, 0.3832



76.9376, 0.2539, 0.3224



76.9376, 0.3120, 0.2813

Complementary

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



76.9376, 0.3730, 0.3832



58.0272, 0.2574, 0.2678

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.



76.9376, 0.2781, 0.2709



76.9376, 0.3730, 0.3832



76.9376, 0.2460, 0.2923

Square

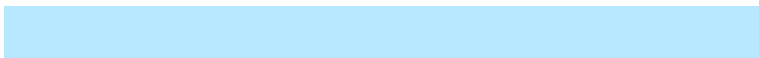
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.9376, 0.3730, 0.3832



76.9376, 0.2769, 0.3571



76.9376, 0.2546, 0.2743



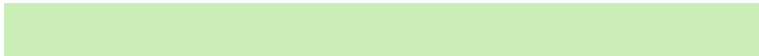
76.9376, 0.3479, 0.3025

Rectangle

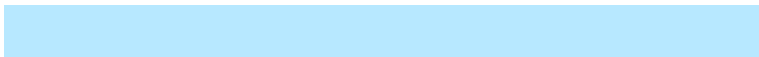
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.9376, 0.3730, 0.3832



76.9376, 0.3223, 0.3894



76.9376, 0.2546, 0.2743



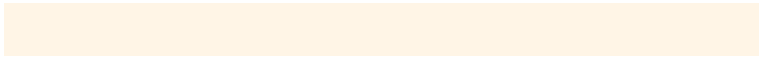
76.9376, 0.2999, 0.2764

Sweetspot

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



76.9384, 0.3730, 0.3832



92.4897, 0.3287, 0.3446



54.3151, 0.3608, 0.2953



19.5795, 0.3311, 0.3468



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.



76.9384, 0.3730, 0.3832



72.9712, 0.3873, 0.3942



93.8517, 0.3564, 0.4144



19.8737, 0.3279, 0.3438



24.3547, 0.5054, 0.4369



2.5817, 0.4929, 0.4468

Inverse Universe

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



58.0272, 0.2574, 0.2678



51.4358, 0.2456, 0.2531



45.6790, 0.2593, 0.2311



18.4987, 0.2979, 0.3138



8.4113, 0.1664, 0.1191



1.0210, 0.1727, 0.1416

Previews

White Background



This preview shows how the Yxy color 76.9376, 0.3730, 0.3832 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 76.9376, 0.3730, 0.3832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

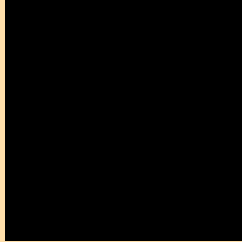
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.9376, 0.3730, 0.3832

Background



This preview shows how black text looks on a background with the Yxy color 76.9376, 0.3730, 0.3832.

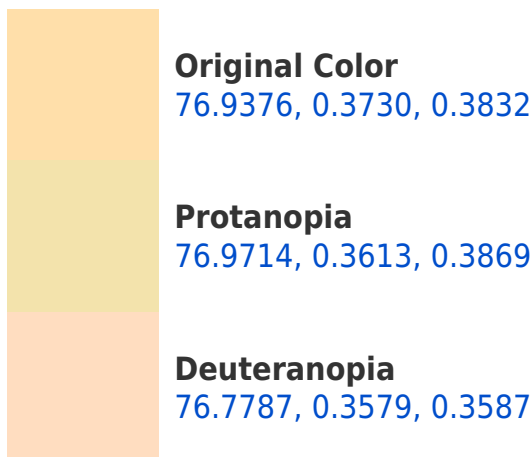


This preview shows how white text looks on a background with the Yxy color 76.9376, 0.3730, 0.3832.

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

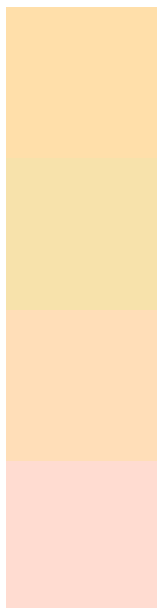




Tritanopia

77.1723, 0.3307, 0.3161

Trichromacy



Original Color

76.9376, 0.3730, 0.3832

Protanomaly

77.1071, 0.3653, 0.3863

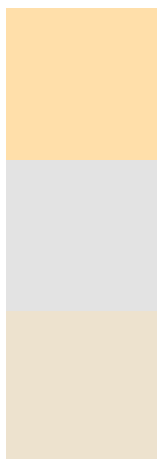
Deuteranomaly

76.9632, 0.3634, 0.3679

Tritanomaly

77.0498, 0.3459, 0.3402

Monochromacy



Original Color

76.9376, 0.3730, 0.3832

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

76.8535, 0.3338, 0.3502

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9376, 0.3730, 0.3832 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, 223, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 223, 170)  
}
```

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, 223, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 170) }
```

Border

The CSS property to change the border of an element to Yxy 76.9376, 0.3730, 0.3832 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, 223, 170) }
```

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

```
.border{ border-color:rgb(255, 223, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 223, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 223, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 223, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 223,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9376, 0.3730, 0.3832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 223, 170) }
```

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

```
.background{ background-color: rgb(255,  
223, 170) }
```

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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