

Converting Colors

$Y_{xy}(75.1613, 0.3929, 0.3865)$

Have a look what the booklet for
Yxy(75.1613, 0.3929, 0.3865)
contains.

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Color

Yxy(72.8404, 0.3840, 0.3886)

Conversions

Conversions Part 1

Format	Color
Hex	FFD89E
RGB	255, 216, 158
RGB Percent	100%, 85%, 62%
CMY	0.0000, 0.1530, 0.3803
CMYK	0.00, 0.15, 0.38, 0.00
HSL	36°, 100%, 81%
HSV	36°, 38%, 100%
XYZ	71.9782, 72.8404, 42.6246
YIQ	221.0490, 41.8620, -9.7700

Conversions

Conversions Part 2

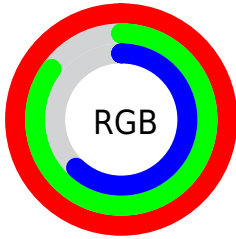
Format	Color
R_{YB}	223, 255, 158
Decimal	16767134
CIE _{Lab}	88.37, 5.87, 33.64
CIE _{LCh}	88, 34.153, 80.103
Yxy	72.8404, 0.3840, 0.3886
Android (android.graphics.Color)	4294957214 (0xFFFFD89E)
YUV	221.0490, -31.0832, 29.7750
Hunter-Lab	85.3466, 1.1838, 30.1315

Details

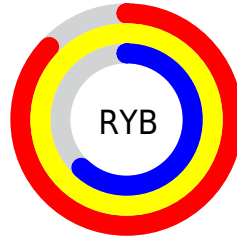
The Yxy color **72.8404, 0.3840, 0.3886** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **54.4394, 0.2495, 0.2606**, and the grayscale version is **72.5410, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5841, 0.3376, 0.3701**, and **38.4007, 0.4006, 0.4008** is the 20% darker color. If you saturate the color by 10%, you get **66.9557, 0.4068, 0.4039**, and if you desaturate by 10%, it is **79.2296, 0.3626, 0.3726**.

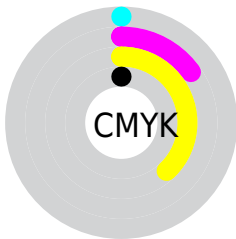
Distribution



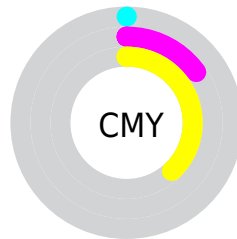
- Red (100%)
- Green (85%)
- Blue (62%)



- Red (87%)
- Yellow (100%)
- Blue (62%)



- Cyan (0%)
- Magenta (15%)
- Yellow (38%)
- Black (0%)





- Cyan (0%)
- Magenta (15%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.8404, 0.3840, 0.3886 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 72.8404, 0.3840, 0.3886 by changing the saturation by 10% instead.


 72.8404, 0.3840,
0.3886

 72.8404, 0.3840,
0.3886


470.4615, 0.3512,
0.3619

 53.8455, 0.3913,
0.3944


 123.2506, 0.3728,
0.3796

 38.4781, 0.4002,
0.4013

 155.4347, 0.3683,
0.3760

 26.3540, 0.4112,
0.4097


192.7839, 0.3645,
0.3729

 17.0886, 0.4251,
0.4201

235.6827, 0.3612,
0.3701

 10.2977, 0.4430,
0.4328

284.5155, 0.3583,
0.3677

 5.5968, 0.4662,
0.4480

339.6666, 0.3557,

 2.6015, 0.5164,

0.3656

0.4836

401.5205, 0.3533,
0.3636

0.9274, 0.5281,
0.4719

0.0000, 0.0000,
0.0000

72.8404, 0.3840,
0.3886

72.8404, 0.3840,
0.3886

66.9557, 0.4068,
0.4039

79.2296, 0.3626,
0.3726

61.5669, 0.4305,
0.4173

86.1481, 0.3430,
0.3565

56.6524, 0.4541,
0.4277

93.6084, 0.3254,
0.3409

52.1916, 0.4762,
0.4340

100.0000, 0.3127,
0.3290

■ 48.1609, 0.4957,
0.4350

■ 44.5308, 0.5117,
0.4307

■ 43.8555, 0.5146,
0.4296

Harmonies

Analogous

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



72.8404, 0.3950, 0.3603



72.8404, 0.3840, 0.3886



72.8404, 0.3537, 0.4029

Triad

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



72.8404, 0.3840, 0.3886



72.8404, 0.2474, 0.3249



72.8404, 0.3075, 0.2730

Complementary

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



72.8404, 0.3840, 0.3886



54.4394, 0.2495, 0.2606

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.



72.8404, 0.2697, 0.2626



72.8404, 0.3840, 0.3886



72.8404, 0.2368, 0.2894

Square

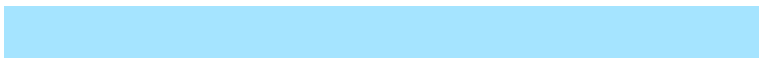
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.8404, 0.3840, 0.3886



72.8404, 0.2749, 0.3652



72.8404, 0.2447, 0.2678



72.8404, 0.3492, 0.2959

Rectangle

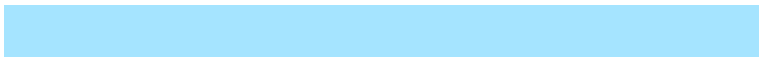
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.8404, 0.3840, 0.3886



72.8404, 0.3274, 0.4003



72.8404, 0.2447, 0.2678



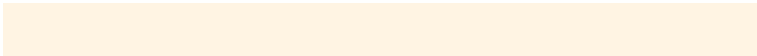
72.8404, 0.2939, 0.2680

Sweetspot

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



72.8375, 0.3840, 0.3886



91.3345, 0.3305, 0.3455



49.8198, 0.3673, 0.2872



19.3307, 0.3328, 0.3476



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.



72.8375, 0.3840, 0.3886



68.1087, 0.4021, 0.4009



93.7489, 0.3644, 0.4257



19.7930, 0.3279, 0.3432



23.2159, 0.5126, 0.4312



2.4747, 0.4991, 0.4419

Inverse Universe

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



54.4394, 0.2495, 0.2606



47.2469, 0.2357, 0.2431



39.8012, 0.2479, 0.2143



18.5771, 0.2979, 0.3144



9.0705, 0.1685, 0.1265



1.0904, 0.1747, 0.1488

Previews

White Background



This preview shows how the Yxy color 72.8404, 0.3840, 0.3886 looks on a white background.

Color Contrast Check

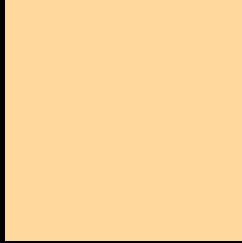
Large Text (above 18pt) WCAG AA × Fail

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 72.8404, 0.3840, 0.3886 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 72.8404, 0.3840, 0.3886

Background



This preview shows how black text looks on a background with the Yxy color 72.8404, 0.3840, 0.3886.



This preview shows how white text looks on a background with the Yxy color 72.8404, 0.3840, 0.3886.

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

72.8404, 0.3840, 0.3886

Protanopia

73.1313, 0.3679, 0.3953

Deuteranopia

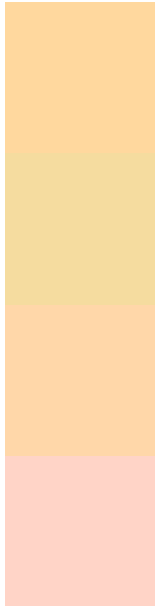
72.9560, 0.3719, 0.3703



Tritanopia

72.6809, 0.3374, 0.3160

Trichromacy



Original Color

72.8404, 0.3840, 0.3886

Protanomaly

73.1021, 0.3740, 0.3933

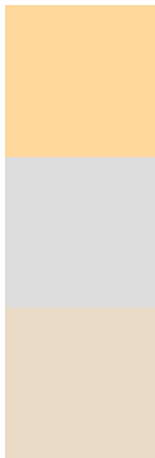
Deuteranomaly

72.7255, 0.3764, 0.3765

Tritanomaly

72.4705, 0.3548, 0.3424

Monochromacy



Original Color

72.8404, 0.3840, 0.3886

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

72.0639, 0.3374, 0.3517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.8404, 0.3840, 0.3886 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, 216, 158)` looks like.

```
.text, #text, p{  
    color:rgb(255, 216, 158)  
}
```

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, 216, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 216, 158) }
```

Border

The CSS property to change the border of an element to Yxy 72.8404, 0.3840, 0.3886 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, 216, 158) }
```

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

```
.border{ border-color:rgb(255, 216, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 216, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 216, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 216, 158);  
box-shadow:4px 4px 4px 4px rgb(255, 216,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 72.8404, 0.3840, 0.3886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 216, 158) }
```

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

```
.background{ background-color: rgb(255,  
216, 158) }
```

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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