

Converting Colors

$Y_{xy}(129.4113, 0.5037, 0.3592)$

Have a look what the booklet for
Yxy(129.4113, 0.5037, 0.3592)
contains.

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Color

Yxy(72.9804, 0.3811, 0.3846)

Conversions

Conversions Part 1

Format	Color
Hex	FFD8A2
RGB	255, 216, 162
RGB Percent	100%, 85%, 64%
CMY	0.0000, 0.1529, 0.3647
CMYK	0.00, 0.15, 0.36, 0.00
HSL	35°, 100%, 82%
HSV	35°, 36%, 100%
XYZ	72.3163, 72.9804, 44.4600
YIQ	221.5050, 40.5780, -8.5260

Conversions

Conversions Part 2

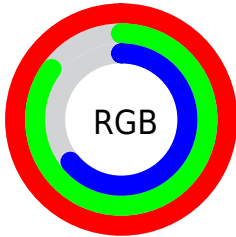
Format	Color
R _Y B	229, 255, 162
Decimal	16767138
CIE Lab	88.44, 6.29, 31.69
CIE LCh	88, 32.308, 78.766
Yxy	72.9804, 0.3811, 0.3846
Android (android.graphics.Color)	4294957218 (0xFFFFD8A2)
YUV	221.5050, -29.3360, 29.3751
Hunter-Lab	85.4286, 1.6023, 28.9434

Details

The Yxy color **72.9804, 0.3811, 0.3846** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **56.6718, 0.2525, 0.2658**, and the grayscale version is **72.8709, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7898, 0.3352, 0.3661**, and **38.4858, 0.3969, 0.3959** is the 20% darker color. If you saturate the color by 10%, you get **66.8656, 0.4042, 0.3996**, and if you desaturate by 10%, it is **79.6423, 0.3597, 0.3689**.

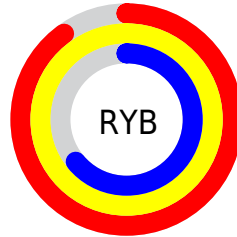
Distribution



Red (100%)

Green (85%)

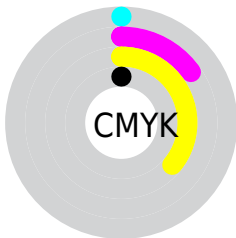
Blue (64%)



Red (90%)

Yellow (100%)

Blue (64%)

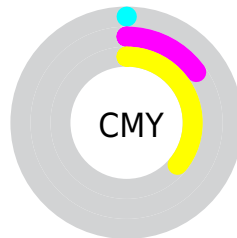


Cyan (0%)

Magenta (15%)

Yellow (36%)

Black (0%)



Cyan (0%)


Magenta (15%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.9804, 0.3811, 0.3846 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 72.9804, 0.3811, 0.3846 by changing the saturation by 10% instead.


 72.9804, 0.3811,
0.3846

 72.9804, 0.3811,
0.3846


470.9469, 0.3496,
0.3597

 53.9599, 0.3882,
0.3900


 123.4494, 0.3703,
0.3762

 38.5696, 0.3968,
0.3965


 155.6667, 0.3660,
0.3728

 26.4251, 0.4075,
0.4044


193.0517, 0.3624,
0.3699

 17.1419, 0.4211,
0.4142

235.9889, 0.3592,
0.3673

 10.3357, 0.4387,
0.4264

284.8626, 0.3563,
0.3651

 5.6221, 0.4620,
0.4411

340.0573, 0.3538,

 2.6167, 0.5178,

0.3631

0.4809

401.9572, 0.3516,
0.3613

■ 0.9351, 0.5308,
0.4692

■ 0.0000, 0.0000,
0.0000

■ 72.9804, 0.3811,
0.3846

■ 72.9804, 0.3811,
0.3846

■ 66.8656, 0.4042,
0.3996

■ 79.6423, 0.3597,
0.3689

■ 61.2698, 0.4284,
0.4131

■ 86.8579, 0.3403,
0.3533

■ 56.1771, 0.4527,
0.4237

■ 94.6464, 0.3229,
0.3383

■ 51.5663, 0.4760,
0.4303

99.9989, 0.3127,
0.3290

■ 47.4135, 0.4969,
0.4318

■ 43.6906, 0.5141,
0.4279

■ 42.4654, 0.5196,
0.4256

Harmonies

Analogous

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



72.9804, 0.3904, 0.3576



72.9804, 0.3811, 0.3846



72.9804, 0.3532, 0.3986

Triad

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



72.9804, 0.3811, 0.3846



72.9804, 0.2517, 0.3270



72.9804, 0.3061, 0.2751

Complementary

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



72.9804, 0.3811, 0.3846



56.6718, 0.2525, 0.2658

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.



72.9804, 0.2706, 0.2659



72.9804, 0.3811, 0.3846



72.9804, 0.2408, 0.2929

Square

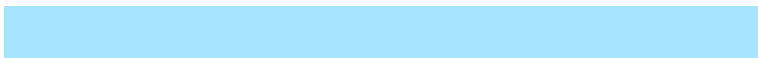
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.9804, 0.3811, 0.3846



72.9804, 0.2784, 0.3647



72.9804, 0.2475, 0.2716



72.9804, 0.3456, 0.2965

Rectangle

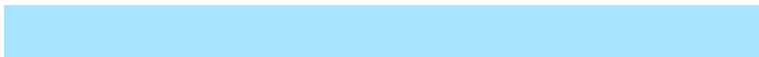
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.9804, 0.3811, 0.3846



72.9804, 0.3285, 0.3967



72.9804, 0.2475, 0.2716



72.9804, 0.2933, 0.2705

Sweetspot

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



72.9838, 0.3811, 0.3846



91.0481, 0.3305, 0.3450



51.3807, 0.3627, 0.2874



19.2624, 0.3329, 0.3471



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.



72.9838, 0.3811, 0.3846



68.3288, 0.3984, 0.3960



94.2273, 0.3635, 0.4214



19.7396, 0.3280, 0.3428



22.4922, 0.5175, 0.4273



2.4061, 0.5032, 0.4386

Inverse Universe

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



56.6718, 0.2525, 0.2658



49.7999, 0.2395, 0.2500



41.4103, 0.2500, 0.2195



18.6292, 0.2979, 0.3148



9.5369, 0.1699, 0.1316



1.1388, 0.1761, 0.1537

Previews

White Background



This preview shows how the Yxy color 72.9804, 0.3811, 0.3846 looks on a white background.

Color Contrast Check

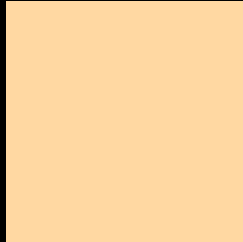
Large Text (above 18pt) WCAG AA × Fail

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 72.9804, 0.3811, 0.3846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

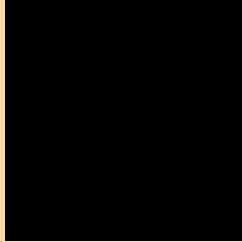
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.9804, 0.3811, 0.3846

Background



This preview shows how black text looks on a background with the Yxy color 72.9804, 0.3811, 0.3846.



This preview shows how white text looks on a background with the Yxy color 72.9804, 0.3811, 0.3846.

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

72.9804, 0.3811, 0.3846

Protanopia

73.1363, 0.3637, 0.3902

Deuteranopia

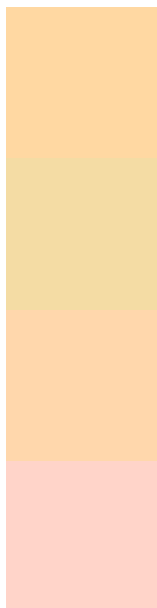
73.0352, 0.3705, 0.3682



Tritanopia

72.7350, 0.3366, 0.3150

Trichromacy



Original Color

72.9804, 0.3811, 0.3846

Protanomaly

73.0998, 0.3697, 0.3883

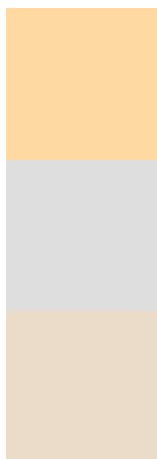
Deuteranomaly

72.8394, 0.3742, 0.3734

Tritanomaly

72.5640, 0.3533, 0.3404

Monochromacy



Original Color

72.9804, 0.3811, 0.3846

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

72.8490, 0.3366, 0.3505

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.9804, 0.3811, 0.3846 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, 162)` looks like.

```
.text, #text, p{  
    color:rgb(255, 216, 162)  
}
```

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, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 216, 162) }
```

Border

The CSS property to change the border of an element to Yxy 72.9804, 0.3811, 0.3846 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, 162) }
```

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

```
.border{ border-color:rgb(255, 216, 162) }
```

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, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 216, 162); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 216, 162); box-shadow:4px 4px 4px 4px rgb(255, 216, 162) }
```


Background

The CSS property to change the background color of an element to Yxy 72.9804, 0.3811, 0.3846 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, 162) }
```

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

```
.background{ background-color: rgb(255,  
216, 162) }
```

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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