

Converting Colors

$Y_{xy}(79.9245, 0.4101, 0.3783)$

Have a look what the booklet for
Yxy(79.9245, 0.4101, 0.3783)
contains.

Yxy(72.4341, 0.3822, 0.3846)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(72.4341, 0.3822, 0.3846)

Conversions

Conversions Part 1

Format	Color
Hex	FFD7A1
RGB	255, 215, 161
RGB Percent	100%, 84%, 63%
CMY	0.0000, 0.1569, 0.3685
CMYK	0.00, 0.16, 0.37, 0.00
HSL	34°, 100%, 82%
HSV	34°, 37%, 100%
XYZ	71.9821, 72.4341, 43.9200
YIQ	220.8040, 41.1740, -8.3140

Conversions

Conversions Part 2

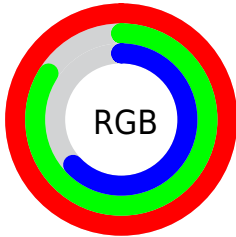
Format	Color
R _Y B	231, 255, 161
Decimal	16766881
CIE Lab	88.18, 6.72, 31.84
CIE LCh	88, 32.543, 78.089
Yxy	72.4341, 0.3822, 0.3846
Android (android.graphics.Color)	4294956961 (0xFFFFD7A1)
YUV	220.8040, -29.4834, 29.9899
Hunter-Lab	85.1082, 2.0308, 28.9792

Details

The Yxy color **72.4341, 0.3822, 0.3846** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **56.5914, 0.2519, 0.2658**, and the grayscale version is **72.3506, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7379, 0.3358, 0.3671**, and **38.1161, 0.3984, 0.3959** is the 20% darker color. If you saturate the color by 10%, you get **66.2764, 0.4055, 0.3995**, and if you desaturate by 10%, it is **79.1400, 0.3606, 0.3691**.

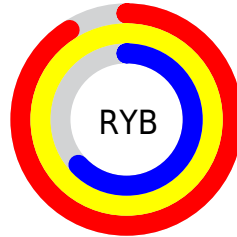
Distribution



Red (100%)

Green (84%)

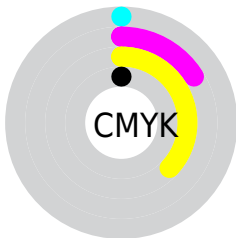
Blue (63%)



Red (91%)

Yellow (100%)

Blue (63%)

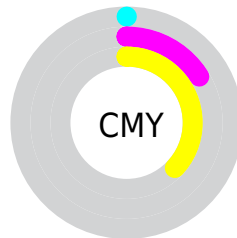


Cyan (0%)

Magenta (16%)

Yellow (37%)

Black (0%)



Cyan (0%)


Magenta (16%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.4341, 0.3822, 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 72.4341, 0.3822, 0.3846 by changing the saturation by 10% instead.


 72.4341, 0.3822,
0.3846


 72.4341, 0.3822,
0.3846

469.0511, 0.3502,
0.3597

 53.5134, 0.3894,
0.3900


 122.6735, 0.3712,
0.3762

 38.2127, 0.3982,
0.3965


 154.7610, 0.3668,
0.3728

 26.1478, 0.4091,
0.4044


192.0061, 0.3631,
0.3699

 16.9343, 0.4230,
0.4141

234.7934, 0.3599,
0.3674

 10.1876, 0.4410,
0.4261

283.5071, 0.3570,
0.3651

 5.5235, 0.4648,
0.4407

338.5317, 0.3545,

 2.5576, 0.5207,

0.3631

400.2516, 0.3522,
0.3613

0.4793

0.9054, 0.5341,
0.4659

0.0000, 0.0000,
0.0000

72.4341, 0.3822,
0.3846

72.4341, 0.3822,
0.3846

66.2764, 0.4055,
0.3995

79.1400, 0.3606,
0.3691

60.6519, 0.4299,
0.4127

86.4145, 0.3410,
0.3537

55.5397, 0.4545,
0.4230

94.2726, 0.3235,
0.3388

50.9182, 0.4781,
0.4293

100.0000, 0.3127,
0.3290

■ 46.7631, 0.4991,
0.4305

■ 43.0453, 0.5165,
0.4262

■ 41.9534, 0.5215,
0.4241

Harmonies

Analogous

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



72.4341, 0.3911, 0.3571



72.4341, 0.3822, 0.3846



72.4341, 0.3543, 0.3991

Triad

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



72.4341, 0.3822, 0.3846



72.4341, 0.2515, 0.3278



72.4341, 0.3051, 0.2742

Complementary

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



72.4341, 0.3822, 0.3846



56.5914, 0.2519, 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.



72.4341, 0.2695, 0.2653



72.4341, 0.3822, 0.3846



72.4341, 0.2402, 0.2932

Square

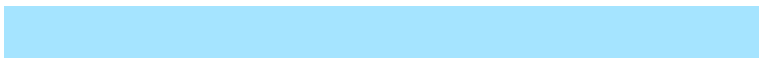
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.4341, 0.3822, 0.3846



72.4341, 0.2789, 0.3658



72.4341, 0.2465, 0.2714



72.4341, 0.3451, 0.2956

Rectangle

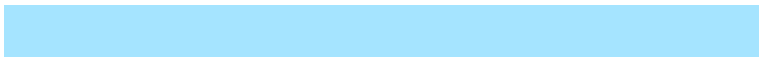
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.4341, 0.3822, 0.3846



72.4341, 0.3295, 0.3976



72.4341, 0.2465, 0.2714



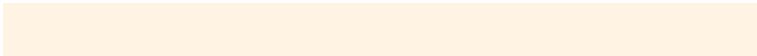
72.4341, 0.2923, 0.2697

Sweetspot

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



72.4330, 0.3822, 0.3846



90.9394, 0.3305, 0.3449



51.0139, 0.3635, 0.2869



19.2364, 0.3329, 0.3469



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.



72.4330, 0.3822, 0.3846



67.9758, 0.3987, 0.3953



94.1856, 0.3640, 0.4224



19.7193, 0.3280, 0.3426



22.2239, 0.5194, 0.4258



2.3806, 0.5048, 0.4374

Inverse Universe

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



56.5914, 0.2519, 0.2658



50.1148, 0.2397, 0.2509



40.9693, 0.2492, 0.2181



18.6491, 0.2979, 0.3150



9.7202, 0.1704, 0.1336



1.1576, 0.1766, 0.1556

Previews

White Background



This preview shows how the Yxy color 72.4341, 0.3822, 0.3846 looks on a white background.

Color Contrast Check

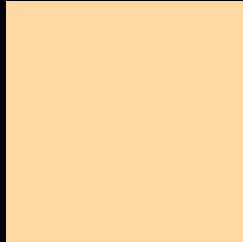
Large Text (above 18pt) WCAG AA × Fail

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 72.4341, 0.3822, 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 72.4341, 0.3822, 0.3846

Background



This preview shows how black text looks on a background with the Yxy color 72.4341, 0.3822, 0.3846.



This preview shows how white text looks on a background with the Yxy color 72.4341, 0.3822, 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

72.4341, 0.3822, 0.3846

Protanopia

72.5704, 0.3647, 0.3903

Deuteranopia

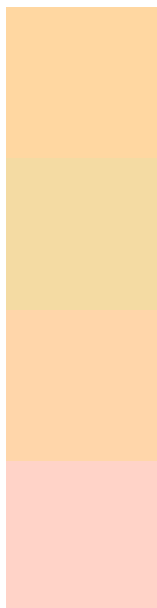
72.4483, 0.3723, 0.3693



Tritanopia

72.1886, 0.3375, 0.3149

Trichromacy



Original Color

72.4341, 0.3822, 0.3846

Protanomaly

72.5405, 0.3707, 0.3883

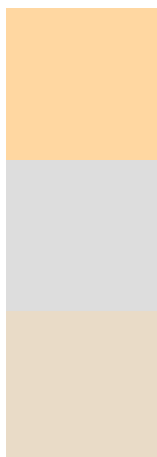
Deuteranomaly

72.2554, 0.3760, 0.3745

Tritanomaly

72.0187, 0.3543, 0.3404

Monochromacy



Original Color

72.4341, 0.3822, 0.3846

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

72.1102, 0.3367, 0.3506

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.4341, 0.3822, 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, 215, 161)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 161)  
}
```

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, 215, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 161) }
```

Border

The CSS property to change the border of an element to Yxy 72.4341, 0.3822, 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, 215, 161) }
```

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

```
.border{ border-color:rgb(255, 215, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 215, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 215, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 215, 161);  
box-shadow:4px 4px 4px 4px rgb(255, 215,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 72.4341, 0.3822, 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, 215, 161) }
```

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

```
.background{ background-color: rgb(255,  
215, 161) }
```

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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