

Converting Colors

$Y_{xy}(72.0653, 0.3830, 0.3899)$

Have a look what the booklet for
Yxy(72.0653, 0.3830, 0.3899)
contains.

Yxy(72.2415, 0.3823, 0.3902)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(72.2415, 0.3823, 0.3902)

Conversions

Conversions Part 1

Format	Color
Hex	FCD89D
RGB	252, 216, 157
RGB Percent	99%, 85%, 62%
CMY	0.0119, 0.1529, 0.3842
CMYK	0.00, 0.14, 0.38, 0.01
HSL	37°, 94%, 80%
HSV	37°, 38%, 99%
XYZ	70.7789, 72.2415, 42.1193
YIQ	220.0380, 40.3950, -10.7170

Conversions

Conversions Part 2

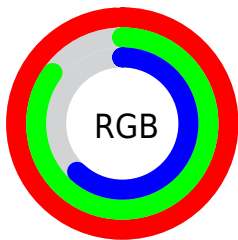
Format	Color
R _Y B	215, 252, 157
Decimal	16570525
CIE Lab	88.08, 4.56, 33.73
CIE LCh	88, 34.037, 82.299
Yxy	72.2415, 0.3823, 0.3902
Android (android.graphics.Color)	4294760605 (0xFFFC89D)
YUV	220.0380, -31.0777, 28.0307
Hunter-Lab	84.9950, -0.0968, 30.1153

Details

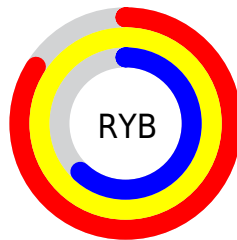
The Yxy color **72.2415, 0.3823, 0.3902** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **52.3223, 0.2497, 0.2586**, and the grayscale version is **71.7989, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5335, 0.3382, 0.3711**, and **37.9790, 0.3984, 0.4030** is the 20% darker color. If you saturate the color by 10%, you get **66.7231, 0.4045, 0.4060**, and if you desaturate by 10%, it is **78.2279, 0.3614, 0.3736**.

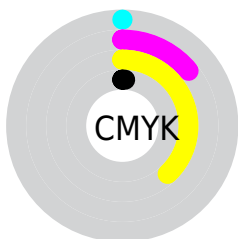
Distribution



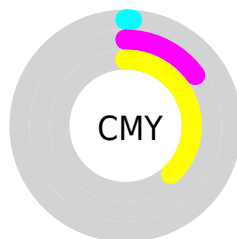
- Red (99%)
- Green (85%)
- Blue (62%)



- Red (84%)
- Yellow (99%)
- Blue (62%)



- Cyan (0%)
- Magenta (14%)
- Yellow (38%)
- Black (1%)





- Cyan (1%)
- Magenta (15%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.2415, 0.3823, 0.3902 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 72.2415, 0.3823, 0.3902 by changing the saturation by 10% instead.

 72.2415, 0.3823,
0.3902


 72.2415, 0.3823,
0.3902


468.3817, 0.3503,
0.3626

 53.3560, 0.3894,
0.3962


 122.3998, 0.3713,
0.3808

 38.0870, 0.3981,
0.4034


 154.4414, 0.3670,
0.3771

 26.0502, 0.4089,
0.4122


191.6371, 0.3633,
0.3739

 16.8612, 0.4224,
0.4231

234.3714, 0.3600,
0.3711

 10.1356, 0.4398,
0.4366

283.0286, 0.3572,
0.3686

 5.4890, 0.4622,
0.4529

337.9931, 0.3546,

 2.5369, 0.5102,

0.3664

0.4898

399.6494, 0.3524,
0.3644

0.8951, 0.5195,
0.4805

0.0000, 0.0000,
0.0000

72.2415, 0.3823,
0.3902

72.2415, 0.3823,
0.3902

66.7231, 0.4045,
0.4060

78.2279, 0.3614,
0.3736

61.6469, 0.4273,
0.4200

84.6870, 0.3422,
0.3570

56.9991, 0.4499,
0.4311

91.6360, 0.3248,
0.3408

52.7609, 0.4710,
0.4380

98.9059, 0.3109,
0.3282

■ 48.9107, 0.4895, 99.4293, 0.3108,
0.4398 0.3290

■ 45.4216, 0.5045,
0.4363

■ 44.6566, 0.5077,
0.4351

Harmonies

Analogous

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



72.2415, 0.3949, 0.3626



72.2415, 0.3823, 0.3902



72.2415, 0.3510, 0.4031

Triad

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



72.2415, 0.3823, 0.3902



72.2415, 0.2460, 0.3220



72.2415, 0.3106, 0.2743

Complementary

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



72.2415, 0.3823, 0.3902



52.3223, 0.2497, 0.2586

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.



72.2415, 0.2721, 0.2629



72.2415, 0.3823, 0.3902



72.2415, 0.2368, 0.2873

Square

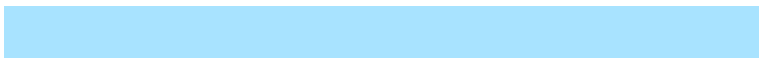
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.2415, 0.3823, 0.3902



72.2415, 0.2724, 0.3624



72.2415, 0.2460, 0.2669



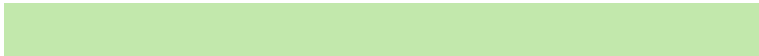
72.2415, 0.3521, 0.2980

Rectangle

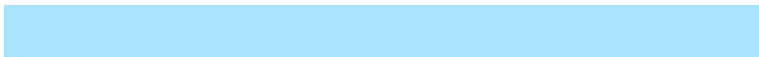
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.2415, 0.3823, 0.3902



72.2415, 0.3243, 0.3994



72.2415, 0.2460, 0.2669



72.2415, 0.2968, 0.2690

Sweetspot

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



72.2449, 0.3823, 0.3902



91.7333, 0.3304, 0.3461



48.6784, 0.3696, 0.2908



19.4259, 0.3327, 0.3483



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.



72.2449, 0.3823, 0.3902



70.0244, 0.3985, 0.4019



90.7166, 0.3618, 0.4255



19.0219, 0.3278, 0.3437



23.5622, 0.5059, 0.4365



2.3865, 0.4927, 0.4470

Inverse Universe

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



52.3223, 0.2497, 0.2586



46.9726, 0.2368, 0.2419



39.4818, 0.2509, 0.2163



17.7200, 0.2979, 0.3138



8.2246, 0.1666, 0.1199



0.9587, 0.1732, 0.1434

Previews

White Background



This preview shows how the Yxy color 72.2415, 0.3823, 0.3902 looks on a white background.

Color Contrast Check

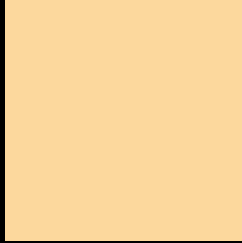
Large Text (above 18pt) WCAG AA × Fail

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 72.2415, 0.3823, 0.3902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

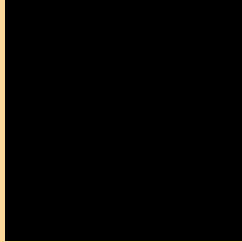
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.2415, 0.3823, 0.3902

Background



This preview shows how black text looks on a background with the Yxy color 72.2415, 0.3823, 0.3902.



This preview shows how white text looks on a background with the Yxy color 72.2415, 0.3823, 0.3902.

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

72.2415, 0.3823, 0.3902

Protanopia

72.3932, 0.3682, 0.3956

Deuteranopia

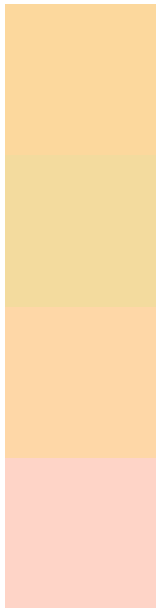
72.3703, 0.3737, 0.3714



Tritanopia

72.1886, 0.3375, 0.3149

Trichromacy



Original Color

72.2415, 0.3823, 0.3902

Protanomaly

72.1863, 0.3735, 0.3938

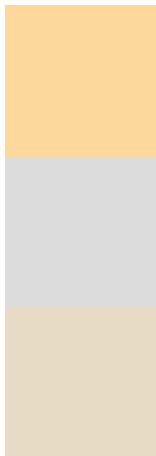
Deuteranomaly

72.4617, 0.3770, 0.3787

Tritanomaly

72.2813, 0.3541, 0.3425

Monochromacy



Original Color

72.2415, 0.3823, 0.3902

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

71.8501, 0.3374, 0.3529

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.2415, 0.3823, 0.3902 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(252, 216, 157)` looks like.

```
.text, #text, p{  
    color:rgb(252, 216, 157)  
}
```

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(252, 216, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 216, 157) }
```

Border

The CSS property to change the border of an element to Yxy 72.2415, 0.3823, 0.3902 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(252, 216, 157) }
```

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

```
.border{ border-color:rgb(252, 216, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 216, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 216, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 216, 157);  
box-shadow:4px 4px 4px 4px rgb(252, 216,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 72.2415, 0.3823, 0.3902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 216, 157) }
```

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

```
.background{ background-color: rgb(252,  
216, 157) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor