

Converting Colors

$Y_{xy}(42.5982, 0.3926, 0.4109)$

Have a look what the booklet for
Yxy(42.5982, 0.3926, 0.4109)
contains.

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Color

Yxy(42.5935, 0.3933, 0.4111)

Conversions

Conversions Part 1

Format	Color
Hex	C6AC6C
RGB	198, 172, 108
RGB Percent	78%, 67%, 42%
CMY	0.2235, 0.3255, 0.5764
CMYK	0.00, 0.13, 0.45, 0.22
HSL	43°, 44%, 60%
HSV	43°, 45%, 78%
XYZ	40.7493, 42.5935, 20.2658
YIQ	172.4780, 36.0400, -14.3920

Conversions

Conversions Part 2

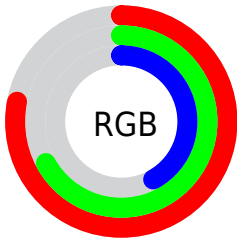
Format	Color
RYB	145, 198, 108
Decimal	13020268
CIELab	71.28, 0.82, 36.29
CIELCh	71, 36.298, 88.705
Yxy	42.5935, 0.3933, 0.4111
Android (android.graphics.Color)	4291210348 (0xFFC6AC6C)
YUV	172.4780, -31.7877, 22.3828
Hunter-Lab	65.2637, -2.7599, 27.2737

Details

The Yxy color **42.5935, 0.3933, 0.4111** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **24.3220, 0.2349, 0.2294**, and the grayscale version is **41.6625, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7362, 0.3785, 0.3971**, and **19.4995, 0.4140, 0.4326** is the 20% darker color. If you saturate the color by 10%, you get **40.0895, 0.4130, 0.4273**, and if you desaturate by 10%, it is **45.2910, 0.3737, 0.3933**.

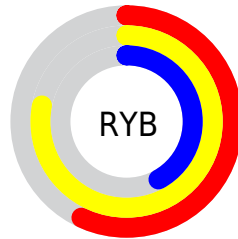
Distribution



Red (78%)

Green (67%)

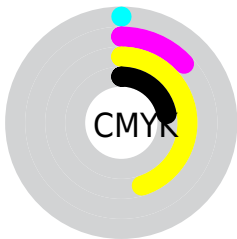
Blue (42%)



Red (57%)

Yellow (78%)

Blue (42%)

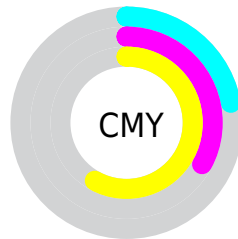


Cyan (0%)

Magenta (13%)

Yellow (45%)

Black (22%)



Cyan (22%)


Magenta (33%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.5935, 0.3933, 0.4111 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 42.5935, 0.3933, 0.4111 by changing the saturation by 10% instead.

 42.5935, 0.3933,
0.4111

 42.5935, 0.3933,
0.4111


356.9374, 0.3533,
0.3705


 29.5663, 0.4028,
0.4207


 79.0971, 0.3790,
0.3967

 19.5096, 0.4146,
0.4326


 103.3422, 0.3736,
0.3911

 12.0391, 0.4294,
0.4473


 132.0955, 0.3689,
0.3864

 6.7703, 0.4479,
0.4656

 165.7413, 0.3649,
0.3824

 3.3189, 0.4890,
0.5067

204.6640, 0.3615,
0.3788

 1.3004, 0.4925,
0.5075

249.2480, 0.3584,

 0.1415, 0.5220,

0.3757

0.4780

299.8776, 0.3557,
0.3730

0.0000, 0.0000,
0.0000

42.5935, 0.3933,
0.4111

42.5935, 0.3933,
0.4111

40.0895, 0.4130,
0.4273

45.2910, 0.3737,
0.3933

37.7652, 0.4321,
0.4409

48.1831, 0.3549,
0.3748

35.6142, 0.4497,
0.4508


51.2784, 0.3373,
0.3563


33.6266, 0.4648,
0.4560

54.5831, 0.3210,
0.3384

31.7906, 0.4769,
0.4564


58.1030, 0.3061,
0.3214

 30.9948, 0.4819,
0.4556

 61.8436, 0.2928,
0.3054

 65.8102, 0.2808,
0.2906

 69.2503, 0.2764,
0.2884

 72.2649, 0.2769,
0.2948

Harmonies

Analogous

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



42.5935, 0.4161, 0.3780



42.5935, 0.3933, 0.4111



42.5935, 0.3496, 0.4241

Triad

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



42.5935, 0.3933, 0.4111



42.5935, 0.2249, 0.3085



42.5935, 0.3209, 0.2662

Complementary

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



42.5935, 0.3933, 0.4111



24.3220, 0.2349, 0.2294

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.



42.5935, 0.2705, 0.2484



42.5935, 0.3933, 0.4111



42.5935, 0.2187, 0.2685

Square

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



42.5935, 0.3933, 0.4111



42.5935, 0.2529, 0.3607



42.5935, 0.2345, 0.2484



42.5935, 0.3729, 0.2977

Rectangle

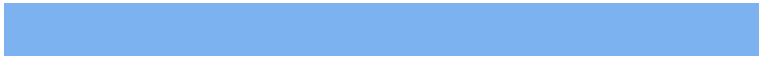
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.5935, 0.3933, 0.4111



42.5935, 0.3153, 0.4157



42.5935, 0.2345, 0.2484



42.5935, 0.3031, 0.2585

Sweetspot

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



42.5955, 0.3933, 0.4111



91.5047, 0.3352, 0.3541



24.4850, 0.3959, 0.2935



19.3200, 0.3389, 0.3580



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.



42.5955, 0.3933, 0.4111



70.8269, 0.4138, 0.4279



51.1765, 0.3636, 0.4459



11.8792, 0.3272, 0.3454



20.3090, 0.4808, 0.4564



1.0815, 0.4652, 0.4688

Inverse Universe

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



24.3220, 0.2349, 0.2294



34.3817, 0.2161, 0.2016



19.2434, 0.2434, 0.1938



10.7784, 0.2983, 0.3121



4.6969, 0.1608, 0.0987



0.3495, 0.1727, 0.1417

Previews

White Background



This preview shows how the Yxy color 42.5935, 0.3933, 0.4111 looks on a white background.

Color Contrast Check

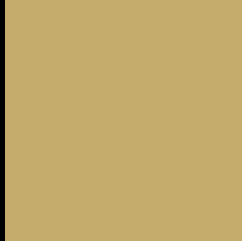
Large Text (above 18pt) WCAG AA × Fail

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 42.5935, 0.3933, 0.4111 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 42.5935, 0.3933, 0.4111

Background



This preview shows how black text looks on a background with the Yxy color 42.5935, 0.3933, 0.4111.



This preview shows how white text looks on a background with the Yxy color 42.5935, 0.3933, 0.4111.

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

42.5935, 0.3933, 0.4111

Protanopia

42.7112, 0.3830, 0.4160

Deuteranopia

42.5904, 0.4082, 0.4002



Tritanopia

42.6646, 0.3408, 0.3141

Trichromacy



Original Color

42.5935, 0.3933, 0.4111

Protanomaly

42.7137, 0.3865, 0.4138

Deuteranomaly

42.6019, 0.4021, 0.4040

Tritanomaly

42.4284, 0.3606, 0.3496

Monochromacy



Original Color

42.5935, 0.3933, 0.4111

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.4987, 0.3408, 0.3605

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5935, 0.3933, 0.4111 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(198, 172, 108)` looks like.

```
.text, #text, p{  
    color:rgb(198, 172, 108)  
}
```

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(198, 172, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 172, 108) }
```

Border

The CSS property to change the border of an element to Yxy 42.5935, 0.3933, 0.4111 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(198, 172, 108) }
```

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

```
.border{ border-color:rgb(198, 172, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 172, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 172, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 172, 108);  
box-shadow:4px 4px 4px 4px rgb(198, 172,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5935, 0.3933, 0.4111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 172, 108) }
```

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

```
.background{ background-color: rgb(198,  
172, 108) }
```

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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