

Converting Colors

$Y_{xy}(42.1958, 0.3892, 0.3870)$

Have a look what the booklet for
Yxy(42.1958, 0.3892, 0.3870)
contains.

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Color

Yxy(42.2478, 0.3892, 0.3876)

Conversions

Conversions Part 1

Format	Color
Hex	CCA87A
RGB	204, 168, 122
RGB Percent	80%, 66%, 48%
CMY	0.1999, 0.3412, 0.5216
CMYK	0.00, 0.18, 0.40, 0.20
HSL	34°, 45%, 64%
HSV	34°, 40%, 80%
XYZ	42.4222, 42.2478, 24.3285
YIQ	173.5200, 36.2220, -6.6740

Conversions

Conversions Part 2

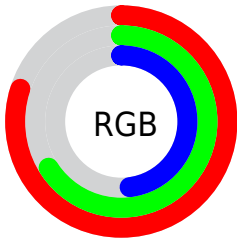
Format	Color
R _Y B	186, 204, 122
Decimal	13412474
CIE Lab	71.04, 6.93, 28.71
CIE LCh	71, 29.535, 76.427
Yxy	42.2478, 0.3892, 0.3876
Android (android.graphics.Color)	4291602554 (0xFFCCA87A)
YUV	173.5200, -25.3994, 26.7310
Hunter-Lab	64.9983, 2.7539, 23.3069

Details

The Yxy color **42.2478, 0.3892, 0.3876** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **32.9596, 0.2473, 0.2616**, and the grayscale version is **42.1890, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1305, 0.3695, 0.3781**, and **19.2677, 0.4103, 0.4021** is the 20% darker color. If you saturate the color by 10%, you get **38.6005, 0.4130, 0.4016**, and if you desaturate by 10%, it is **46.2333, 0.3671, 0.3727**.

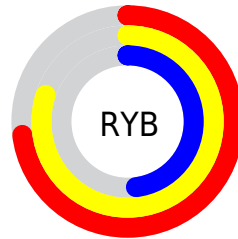
Distribution



Red (80%)

Green (66%)

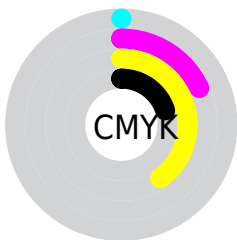
Blue (48%)



Red (73%)

Yellow (80%)

Blue (48%)

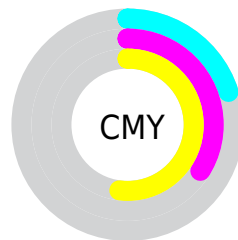


Cyan (0%)

Magenta (18%)

Yellow (40%)

Black (20%)



Cyan (20%)


Magenta (34%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2478, 0.3892, 0.3876 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 42.2478, 0.3892, 0.3876 by changing the saturation by 10% instead.


 42.2478, 0.3892,
0.3876


 42.2478, 0.3892,
0.3876


355.5091, 0.3505,
0.3589

 29.2954, 0.3988,
0.3944


 78.5745, 0.3751,
0.3774

 19.3044, 0.4110,
0.4028


 102.7176, 0.3698,
0.3735

 11.8904, 0.4270,
0.4133


 131.3597, 0.3654,
0.3702

 6.6691, 0.4483,
0.4265

164.8852, 0.3615,
0.3673

 3.2560, 0.4815,
0.4460

203.6785, 0.3582,
0.3648

 1.2668, 0.5306,
0.4694

248.1240, 0.3553,

 0.1153, 0.7074,

0.3626

0.2926

298.6061, 0.3528,
0.3606

0.0000, 0.0000,
0.0000

42.2478, 0.3892,
0.3876

42.2478, 0.3892,
0.3876

38.6005, 0.4130,
0.4016

46.2333, 0.3671,
0.3727

35.2742, 0.4377,
0.4137

50.5615, 0.3470,
0.3577

32.2586, 0.4625,
0.4228

55.2445, 0.3290,
0.3432

29.5405, 0.4859,
0.4276

60.2916, 0.3130,
0.3293

27.1047, 0.5066,
0.4272

65.7119, 0.2989,
0.3163

■ 24.9694, 0.5238,
0.4223

■ 71.5141, 0.2866,
0.3043

■ 77.0583, 0.2811,
0.3031

■ 82.1958, 0.2817,
0.3128

■ 87.5937, 0.2823,
0.3223

Harmonies

Analogous

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



42.2478, 0.3978, 0.3571



42.2478, 0.3892, 0.3876



42.2478, 0.3597, 0.4049

Triad

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



42.2478, 0.3892, 0.3876



42.2478, 0.2477, 0.3298



42.2478, 0.3020, 0.2690

Complementary

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



42.2478, 0.3892, 0.3876



32.9596, 0.2473, 0.2616

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.



42.2478, 0.2641, 0.2601



42.2478, 0.3892, 0.3876



42.2478, 0.2345, 0.2917

Square

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



42.2478, 0.3892, 0.3876



42.2478, 0.2779, 0.3713



42.2478, 0.2403, 0.2674



42.2478, 0.3455, 0.2913

Rectangle

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



42.2478, 0.3892, 0.3876



42.2478, 0.3330, 0.4045



42.2478, 0.2403, 0.2674



42.2478, 0.2882, 0.2644

Sweetspot

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



42.2498, 0.3892, 0.3876



89.9062, 0.3323, 0.3459



29.2585, 0.3673, 0.2819



19.0200, 0.3347, 0.3479



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.



42.2498, 0.3892, 0.3876



64.8278, 0.4091, 0.3995



56.8719, 0.3689, 0.4289



12.2398, 0.3276, 0.3420



15.9000, 0.5219, 0.4238



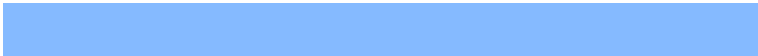
0.9699, 0.4966, 0.4439

Inverse Universe

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



32.9596, 0.2473, 0.2616



47.4437, 0.2333, 0.2444



22.7212, 0.2422, 0.2078



11.6413, 0.2983, 0.3157



7.4828, 0.1721, 0.1395



0.5363, 0.1827, 0.1778

Previews

White Background



This preview shows how the Yxy color 42.2478, 0.3892, 0.3876 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 42.2478, 0.3892, 0.3876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

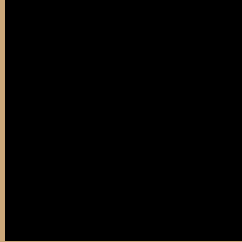
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.2478, 0.3892, 0.3876

Background



This preview shows how black text looks on a background with the Yxy color 42.2478, 0.3892, 0.3876.



This preview shows how white text looks on a background with the Yxy color 42.2478, 0.3892, 0.3876.

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

42.2478, 0.3892, 0.3876

Protanopia

42.3176, 0.3671, 0.3950

Deuteranopia

42.3080, 0.3926, 0.3857



Tritanopia

42.1010, 0.3471, 0.3130

Trichromacy



Original Color

42.2478, 0.3892, 0.3876

Protanomaly

42.2977, 0.3747, 0.3924

Deuteranomaly

42.1644, 0.3916, 0.3860

Tritanomaly

42.1829, 0.3626, 0.3405

Monochromacy



Original Color

42.2478, 0.3892, 0.3876

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.1859, 0.3393, 0.3519

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2478, 0.3892, 0.3876 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(204, 168, 122)` looks like.

```
.text, #text, p{  
    color:rgb(204, 168, 122)  
}
```

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(204, 168, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 168, 122) }
```

Border

The CSS property to change the border of an element to Yxy 42.2478, 0.3892, 0.3876 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(204, 168, 122) }
```

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

```
.border{ border-color:rgb(204, 168, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 168, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 168, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 168, 122);  
box-shadow:4px 4px 4px 4px rgb(204, 168,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2478, 0.3892, 0.3876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 168, 122) }
```

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

```
.background{ background-color: rgb(204,  
168, 122) }
```

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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