

Converting Colors

$Y_{xy}(49.8183, 0.3635, 0.3824)$

Have a look what the booklet for
Yxy(49.8183, 0.3635, 0.3824)
contains.

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Color

Yxy(49.9384, 0.3634, 0.3827)

Conversions

Conversions Part 1

Format	Color
Hex	CCBA8F
RGB	204, 186, 143
RGB Percent	80%, 73%, 56%
CMY	0.2000, 0.2706, 0.4392
CMYK	0.00, 0.09, 0.30, 0.20
HSL	42°, 37%, 68%
HSV	42°, 30%, 80%
XYZ	47.4199, 49.9384, 33.1313
YIQ	186.4800, 24.5310, -9.5570

Conversions

Conversions Part 2

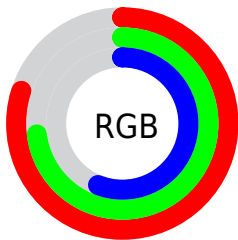
Format	Color
R_{YB}	169, 204, 143
Decimal	13417103
CIE Lab	76.03, -0.13, 24.15
CIE LCh	76, 24.154, 90.297
Yxy	49.9384, 0.3634, 0.3827
Android (android.graphics.Color)	4291607183 (0xFFCCBA8F)
YUV	186.4800, -21.4356, 15.3650
Hunter-Lab	70.6671, -3.8881, 21.6697

Details

The Yxy color **49.9384, 0.3634, 0.3827** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **35.6950, 0.2633, 0.2687**, and the grayscale version is **49.5004, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.7955, 0.3498, 0.3740**, and **23.9373, 0.3773, 0.3976** is the 20% darker color. If you saturate the color by 10%, you get **46.8938, 0.3828, 0.4009**, and if you desaturate by 10%, it is **53.2069, 0.3451, 0.3643**.

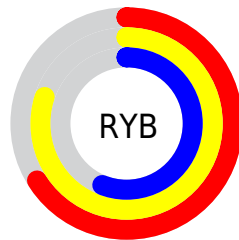
Distribution



Red (80%)

Green (73%)

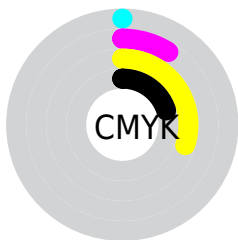
Blue (56%)



Red (66%)

Yellow (80%)

Blue (56%)

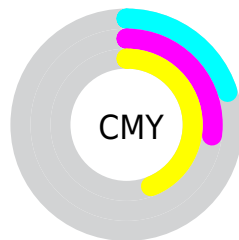


Cyan (0%)

Magenta (9%)

Yellow (30%)

Black (20%)



Cyan (20%)


Magenta (27%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9384, 0.3634, 0.3827 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 49.9384, 0.3634, 0.3827 by changing the saturation by 10% instead.


 49.9384, 0.3634,
0.3827

 49.9384, 0.3634,
0.3827


386.4250, 0.3385,
0.3563

 35.3645, 0.3694,
0.3891


 90.0836, 0.3545,
0.3733

 23.9438, 0.3770,
0.3971


 116.4236, 0.3511,
0.3697

 15.2919, 0.3867,
0.4074


147.4545, 0.3482,
0.3666

 9.0245, 0.3997,
0.4213

183.5606, 0.3458,
0.3640

 4.7572, 0.4176,
0.4403

225.1263, 0.3436,
0.3617

 2.1055, 0.4593,
0.4846

272.5360, 0.3417,

 0.6677, 0.4861,

0.3597

0.5139

326.1741, 0.3400,
0.3579

0.0000, 0.0000,
0.0000

49.9384, 0.3634,
0.3827

49.9384, 0.3634,
0.3827

46.8938, 0.3828,
0.4009

53.2069, 0.3451,
0.3643

44.0589, 0.4027,
0.4180

56.6993, 0.3281,
0.3462

41.4279, 0.4225,
0.4331

60.4245, 0.3126,
0.3288

38.9921, 0.4413,
0.4450

64.3886, 0.2985,
0.3125

36.7416, 0.4581,
0.4528

68.5976, 0.2859,
0.2973

■ 34.6649, 0.4722,
0.4557

■ 72.3678, 0.2805,
0.2937

■ 32.7422, 0.4835,
0.4542

■ 75.6258, 0.2809,
0.3003

■ 32.7228, 0.4836,
0.4542

■ 78.9992, 0.2813,
0.3068

■ 82.4891, 0.2817,
0.3133

Harmonies

Analogous

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



49.9384, 0.3778, 0.3636



49.9384, 0.3634, 0.3827



49.9384, 0.3356, 0.3877

Triad

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



49.9384, 0.3634, 0.3827



49.9384, 0.2552, 0.3157



49.9384, 0.3203, 0.2887

Complementary

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



49.9384, 0.3634, 0.3827



35.6950, 0.2633, 0.2687

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.



49.9384, 0.2877, 0.2764



49.9384, 0.3634, 0.3827



49.9384, 0.2515, 0.2901

Square

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



49.9384, 0.3634, 0.3827



49.9384, 0.2735, 0.3474



49.9384, 0.2630, 0.2765



49.9384, 0.3523, 0.3105

Rectangle

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



49.9384, 0.3634, 0.3827



49.9384, 0.3136, 0.3811



49.9384, 0.2630, 0.2765



49.9384, 0.3090, 0.2834

Sweetspot

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



49.9407, 0.3634, 0.3827



94.3635, 0.3268, 0.3448



35.0711, 0.3590, 0.3057



20.0091, 0.3292, 0.3474



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.



49.9407, 0.3634, 0.3827



79.3476, 0.3760, 0.3947



56.3516, 0.3473, 0.4056



12.5157, 0.3273, 0.3453



20.7638, 0.4825, 0.4551



1.1989, 0.4674, 0.4671

Inverse Universe

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



35.6950, 0.2633, 0.2687



51.9813, 0.2514, 0.2529



30.9985, 0.2708, 0.2449



11.3746, 0.2983, 0.3122



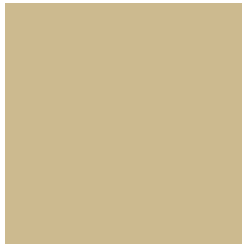
4.9337, 0.1611, 0.0999



0.3876, 0.1722, 0.1400

Previews

White Background



This preview shows how the Yxy color 49.9384, 0.3634, 0.3827 looks on a white background.

Color Contrast Check

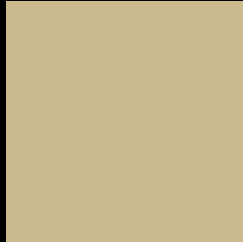
Large Text (above 18pt) WCAG AA × Fail

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 49.9384, 0.3634, 0.3827 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 49.9384, 0.3634, 0.3827

Background



This preview shows how black text looks on a background with the Yxy color 49.9384, 0.3634, 0.3827.



This preview shows how white text looks on a background with the Yxy color 49.9384, 0.3634, 0.3827.

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

49.9384, 0.3634, 0.3827

Protanopia

49.8336, 0.3586, 0.3833

Deuteranopia

49.8718, 0.3794, 0.3720



Tritanopia

49.7921, 0.3282, 0.3123

Trichromacy



Original Color

49.9384, 0.3634, 0.3827

Protanomaly

49.9718, 0.3595, 0.3832

Deuteranomaly

49.7657, 0.3731, 0.3752

Tritanomaly

49.9609, 0.3411, 0.3376

Monochromacy



Original Color

49.9384, 0.3634, 0.3827

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.3575, 0.3314, 0.3494

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9384, 0.3634, 0.3827 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, 186, 143)` looks like.

```
.text, #text, p{  
    color:rgb(204, 186, 143)  
}
```

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, 186, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 186, 143) }
```

Border

The CSS property to change the border of an element to Yxy 49.9384, 0.3634, 0.3827 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, 186, 143) }
```

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

```
.border{ border-color:rgb(204, 186, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 186, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 186, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 186, 143);  
box-shadow:4px 4px 4px 4px rgb(204, 186,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9384, 0.3634, 0.3827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 186, 143) }
```

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

```
.background{ background-color: rgb(204,  
186, 143) }
```

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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