

Converting Colors

$Y_{xy}(42.8122, 0.3612, 0.3825)$

Have a look what the booklet for
Yxy(42.8122, 0.3612, 0.3825)
contains.

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Color

Yxy(42.8122, 0.3612, 0.3825)

Conversions

Conversions Part 1

Format	Color
Hex	BDAE86
RGB	189, 174, 134
RGB Percent	74%, 68%, 53%
CMY	0.2588, 0.3176, 0.4745
CMYK	0.00, 0.08, 0.29, 0.26
HSL	44°, 29%, 63%
HSV	44°, 29%, 74%
XYZ	40.4281, 42.8122, 28.6870
YIQ	173.9250, 21.7800, -9.2600

Conversions

Conversions Part 2

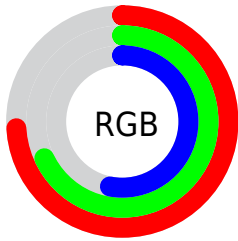
Format	Color
RYB	155, 189, 134
Decimal	12430982
CIELab	71.43, -0.82, 22.52
CIELCh	71, 22.537, 92.073
Yxy	42.8122, 0.3612, 0.3825
Android (android.graphics.Color)	4290621062 (0xFFBDAE86)
YUV	173.9250, -19.6830, 13.2208
Hunter-Lab	65.4310, -4.2138, 19.8072

Details

The Yxy color $42.8122, 0.3612, 0.3825$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $30.2433, 0.2648, 0.2690$, and the grayscale version is $42.3834, 0.3127, 0.3290$.

A 20% lighter version of the original color is $79.2193, 0.3528, 0.3727$, and $19.7101, 0.3750, 0.3984$ is the 20% darker color. If you saturate the color by 10%, you get $40.3777, 0.3800, 0.4012$, and if you desaturate by 10%, it is $45.4214, 0.3433, 0.3636$.

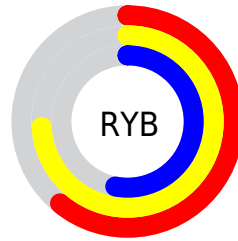
Distribution



Red (74%)

Green (68%)

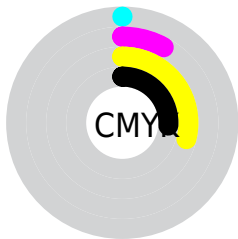
Blue (53%)



Red (61%)

Yellow (74%)

Blue (53%)

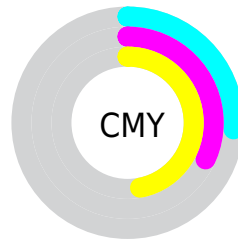


Cyan (0%)

Magenta (8%)

Yellow (29%)

Black (26%)



Cyan (26%)


Magenta (32%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.8122, 0.3612, 0.3825 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 42.8122, 0.3612, 0.3825 by changing the saturation by 10% instead.


 42.8122, 0.3612,
0.3825

 42.8122, 0.3612,
0.3825


357.8389, 0.3368,
0.3555

 29.7378, 0.3673,
0.3893


 79.4274, 0.3523,
0.3727

 19.6397, 0.3750,
0.3979


 103.7370, 0.3490,
0.3690

 12.1334, 0.3852,
0.4093


 132.5604, 0.3462,
0.3658

 6.8346, 0.3991,
0.4249

166.2820, 0.3438,
0.3632

 3.3589, 0.4186,
0.4471

205.2863, 0.3417,
0.3609

 1.3218, 0.4821,
0.5179

249.9576, 0.3398,

 0.1580, 0.4519,

0.3588

0.5481

300.6803, 0.3382,
0.3571

0.0000, 0.0000,
0.0000

42.8122, 0.3612,
0.3825

42.8122, 0.3612,
0.3825

40.3777, 0.3800,
0.4012

45.4214, 0.3433,
0.3636

38.1063, 0.3993,
0.4188

48.2049, 0.3267,
0.3452

35.9935, 0.4183,
0.4345

51.1700, 0.3114,
0.3275

34.0323, 0.4363,
0.4471

54.3214, 0.2975,
0.3108

32.2150, 0.4525,
0.4557

57.6638, 0.2851,
0.2953

■ 30.5324, 0.4659,
0.4596

■ 61.2017, 0.2739,
0.2809

■ 28.9693, 0.4766,
0.4591

■ 64.1892, 0.2700,
0.2791

■ 28.8336, 0.4775,
0.4590

■ 66.7796, 0.2706,
0.2850

■ 69.4530, 0.2711,
0.2908

Harmonies

Analogous

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



42.8122, 0.3763, 0.3644



42.8122, 0.3612, 0.3825



42.8122, 0.3334, 0.3864

Triad

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



42.8122, 0.3612, 0.3825



42.8122, 0.2555, 0.3142



42.8122, 0.3222, 0.2904

Complementary

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



42.8122, 0.3612, 0.3825



30.2433, 0.2648, 0.2690

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.



42.8122, 0.2899, 0.2777



42.8122, 0.3612, 0.3825



42.8122, 0.2528, 0.2896

Square

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



42.8122, 0.3612, 0.3825



42.8122, 0.2727, 0.3452



42.8122, 0.2650, 0.2770



42.8122, 0.3532, 0.3123

Rectangle

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



42.8122, 0.3612, 0.3825



42.8122, 0.3117, 0.3791



42.8122, 0.2650, 0.2770



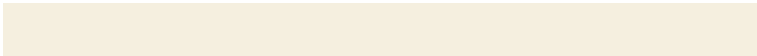
42.8122, 0.3110, 0.2850

Sweetspot

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



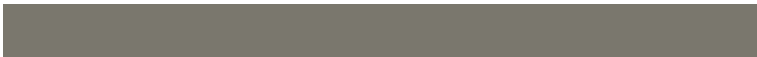
42.8141, 0.3612, 0.3825



86.2999, 0.3267, 0.3452



30.0601, 0.3582, 0.3077



18.3979, 0.3291, 0.3479



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.8141, 0.3612, 0.3825



73.8163, 0.3733, 0.3946



47.4813, 0.3454, 0.4034



10.6681, 0.3271, 0.3456



19.5292, 0.4766, 0.4598



0.8685, 0.4600, 0.4729

Inverse Universe

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



30.2433, 0.2648, 0.2690



47.6266, 0.2530, 0.2531



26.8291, 0.2732, 0.2481



9.6378, 0.2984, 0.3118



4.2108, 0.1599, 0.0955



0.2781, 0.1737, 0.1452

Previews

White Background



This preview shows how the Yxy color 42.8122, 0.3612, 0.3825 looks on a white background.

Color Contrast Check

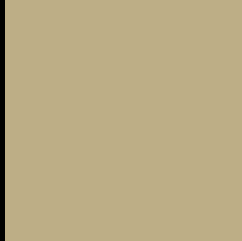
Large Text (above 18pt) WCAG AA × Fail

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 42.8122, 0.3612, 0.3825 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

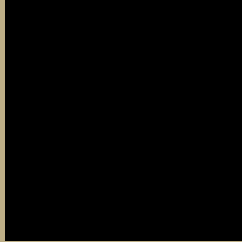
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.8122, 0.3612, 0.3825

Background



This preview shows how black text looks on a background with the Yxy color 42.8122, 0.3612, 0.3825.

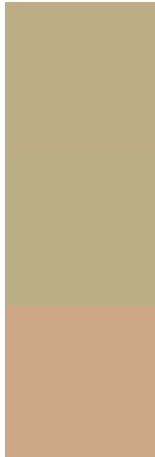


This preview shows how white text looks on a background with the Yxy color 42.8122, 0.3612, 0.3825.

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

42.8122, 0.3612, 0.3825

Protanopia

42.9460, 0.3589, 0.3841

Deuteranopia

42.7337, 0.3782, 0.3711



Tritanopia

42.9436, 0.3263, 0.3125

Trichromacy



Original Color

42.8122, 0.3612, 0.3825

Protanomaly

43.0725, 0.3599, 0.3839

Deuteranomaly

42.6408, 0.3715, 0.3745

Tritanomaly

42.7672, 0.3393, 0.3369

Monochromacy



Original Color

42.8122, 0.3612, 0.3825

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.3590, 0.3299, 0.3495

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8122, 0.3612, 0.3825 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(189, 174, 134)` looks like.

```
.text, #text, p{  
    color:rgb(189, 174, 134)  
}
```

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(189, 174, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 174, 134) }
```

Border

The CSS property to change the border of an element to Yxy 42.8122, 0.3612, 0.3825 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(189, 174, 134) }
```

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

```
.border{ border-color:rgb(189, 174, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 174, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 174, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 174, 134);  
box-shadow:4px 4px 4px 4px rgb(189, 174,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8122, 0.3612, 0.3825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 174, 134) }
```

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

```
.background{ background-color: rgb(189,  
174, 134) }
```

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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