

Converting Colors

$Y_{xy}(42.9900, 0.3625, 0.3880)$

Have a look what the booklet for
Yxy(42.9900, 0.3625, 0.3880)
contains.

Yxy(42.9900, 0.3625, 0.3880)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.9900, 0.3625, 0.3880)

Conversions

Conversions Part 1

Format	Color
Hex	BCAF83
RGB	188, 175, 131
RGB Percent	74%, 69%, 51%
CMY	0.2627, 0.3137, 0.4864
CMYK	0.00, 0.07, 0.30, 0.26
HSL	46°, 30%, 63%
HSV	46°, 30%, 74%
XYZ	40.1646, 42.9900, 27.6443
YIQ	173.8710, 21.8720, -10.9280

Conversions

Conversions Part 2

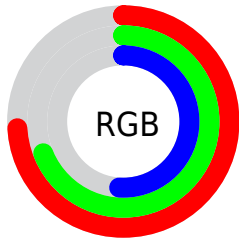
Format	Color
RYB	148, 188, 131
Decimal	12365699
CIELab	71.55, -2.16, 24.30
CIElCh	72, 24.398, 95.068
Yxy	42.9900, 0.3625, 0.3880
Android (android.graphics.Color)	4290555779 (0xFFBCAF83)
YUV	173.8710, -21.1354, 12.3911
Hunter-Lab	65.5668, -5.3970, 20.8988

Details

The Yxy color $42.9900, 0.3625, 0.3880$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $28.3920, 0.2621, 0.2620$, and the grayscale version is $42.3600, 0.3127, 0.3290$.

A 20% lighter version of the original color is $79.4668, 0.3539, 0.3769$, and $19.8283, 0.3765, 0.4057$ is the 20% darker color. If you saturate the color by 10%, you get $40.8862, 0.3806, 0.4075$, and if you desaturate by 10%, it is $45.2432, 0.3450, 0.3681$.

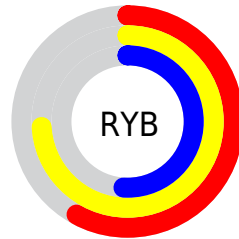
Distribution



Red (74%)

Green (69%)

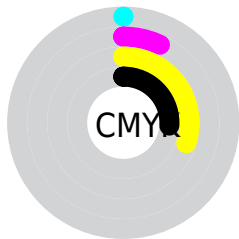
Blue (51%)



Red (58%)

Yellow (74%)

Blue (51%)

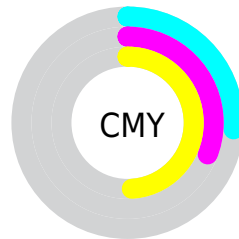


Cyan (0%)

Magenta (7%)

Yellow (30%)

Black (26%)



Cyan (26%)


Magenta (31%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.9900, 0.3625, 0.3880 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 42.9900, 0.3625, 0.3880 by changing the saturation by 10% instead.


 42.9900, 0.3625,
0.3880


 42.9900, 0.3625,
0.3880


358.5706, 0.3376,
0.3582


 29.8773, 0.3687,
0.3955


 79.6958, 0.3535,
0.3771

 19.7455, 0.3765,
0.4050


 104.0576, 0.3501,
0.3730

 12.2101, 0.3867,
0.4176


 132.9379, 0.3472,
0.3696

 6.8870, 0.4004,
0.4348

166.7211, 0.3447,
0.3667

 3.3915, 0.4192,
0.4592

205.7916, 0.3426,
0.3641

 1.3394, 0.4736,
0.5264

250.5337, 0.3407,

 0.1714, 0.3915,

0.3619

0.6085

301.3320, 0.3390,
0.3599

0.0000, 0.0000,
0.0000

42.9900, 0.3625,
0.3880

42.9900, 0.3625,
0.3880

40.8862, 0.3806,
0.4075

45.2432, 0.3450,
0.3681

38.9203, 0.3988,
0.4258

47.6449, 0.3285,
0.3485

37.0884, 0.4163,
0.4419

50.2019, 0.3132,
0.3296

35.3839, 0.4325,
0.4548

52.9188, 0.2992,
0.3118

33.7992, 0.4465,
0.4635

55.7998, 0.2864,
0.2951

■ 32.3258, 0.4578,
0.4677

■ 58.8490, 0.2749,
0.2797

■ 30.9908, 0.4664,
0.4679

■ 61.5727, 0.2688,
0.2731

■ 63.6506, 0.2693,
0.2780

■ 65.7851, 0.2698,
0.2829

Harmonies

Analogous

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



42.9900, 0.3806, 0.3694



42.9900, 0.3625, 0.3880



42.9900, 0.3314, 0.3907

Triad

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



42.9900, 0.3625, 0.3880



42.9900, 0.2501, 0.3097



42.9900, 0.3264, 0.2895

Complementary

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



42.9900, 0.3625, 0.3880



28.3920, 0.2621, 0.2620

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.



42.9900, 0.2912, 0.2746



42.9900, 0.3625, 0.3880



42.9900, 0.2488, 0.2844

Square

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



42.9900, 0.3625, 0.3880



42.9900, 0.2671, 0.3431



42.9900, 0.2634, 0.2724



42.9900, 0.3594, 0.3136

Rectangle

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



42.9900, 0.3625, 0.3880



42.9900, 0.3080, 0.3816



42.9900, 0.2634, 0.2724



42.9900, 0.3144, 0.2833

Sweetspot

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



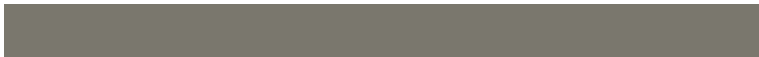
42.9920, 0.3625, 0.3880



86.8819, 0.3266, 0.3462



28.9398, 0.3640, 0.3107



18.5423, 0.3290, 0.3490



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.



42.9920, 0.3625, 0.3880



75.4969, 0.3738, 0.4003



46.4661, 0.3442, 0.4073



10.7417, 0.3270, 0.3466



21.2157, 0.4657, 0.4685



0.9231, 0.4525, 0.4789

Inverse Universe

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



28.3920, 0.2621, 0.2620



45.0633, 0.2505, 0.2455



25.9846, 0.2740, 0.2449



9.5687, 0.2984, 0.3108



3.7356, 0.1573, 0.0863



0.2482, 0.1703, 0.1330

Previews

White Background



This preview shows how the Yxy color 42.9900, 0.3625, 0.3880 looks on a white background.

Color Contrast Check

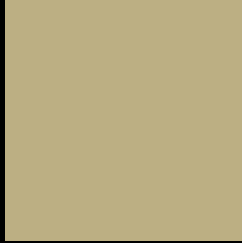
Large Text (above 18pt) WCAG AA × Fail

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 42.9900, 0.3625, 0.3880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

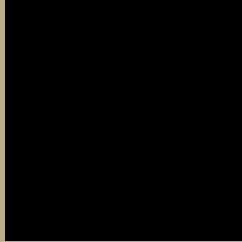
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.9900, 0.3625, 0.3880

Background



This preview shows how black text looks on a background with the Yxy color 42.9900, 0.3625, 0.3880.



This preview shows how white text looks on a background with the Yxy color 42.9900, 0.3625, 0.3880.

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

42.9900, 0.3625, 0.3880

Protanopia

42.9900, 0.3625, 0.3880

Deuteranopia

42.7930, 0.3820, 0.3747



Tritanopia

42.8108, 0.3254, 0.3124

Trichromacy



Original Color

42.9900, 0.3625, 0.3880

Protanomaly

42.9900, 0.3625, 0.3880

Deuteranomaly

42.9339, 0.3738, 0.3796

Tritanomaly

42.9766, 0.3390, 0.3395

Monochromacy



Original Color

42.9900, 0.3625, 0.3880

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.3244, 0.3307, 0.3508

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9900, 0.3625, 0.3880 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(188, 175, 131)` looks like.

```
.text, #text, p{  
    color:rgb(188, 175, 131)  
}
```

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(188, 175, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 175, 131) }
```

Border

The CSS property to change the border of an element to Yxy 42.9900, 0.3625, 0.3880 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(188, 175, 131) }
```

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

```
.border{ border-color:rgb(188, 175, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 175, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 175, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 175, 131);  
box-shadow:4px 4px 4px 4px rgb(188, 175,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9900, 0.3625, 0.3880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 175, 131) }
```

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

```
.background{ background-color: rgb(188,  
175, 131) }
```

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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