

Converting Colors

$Y_{xy}(47.7423, 0.3431, 0.3773)$

Have a look what the booklet for
Yxy(47.7423, 0.3431, 0.3773)
contains.

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Color

Yxy(47.8525, 0.3431, 0.3777)

Conversions

Conversions Part 1

Format	Color
Hex	BBBA95
RGB	187, 186, 149
RGB Percent	73%, 73%, 58%
CMY	0.2668, 0.2705, 0.4157
CMYK	0.00, 0.01, 0.20, 0.27
HSL	59°, 22%, 66%
HSV	59°, 20%, 73%
XYZ	43.4689, 47.8525, 35.3731
YIQ	182.0810, 12.4730, -11.2950

Conversions

Conversions Part 2

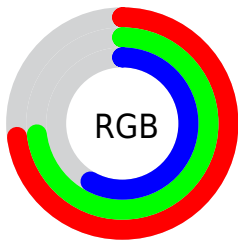
Format	Color
RYB	150, 187, 149
Decimal	12302997
CIELab	74.73, -5.86, 18.95
CIELCh	75, 19.830, 107.183
Yxy	47.8525, 0.3431, 0.3777
Android (android.graphics.Color)	4290493077 (0xFFBBBA95)
YUV	182.0810, -16.3089, 4.3140
Hunter-Lab	69.1755, -8.8903, 18.1047

Details

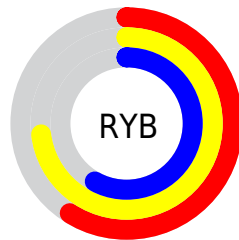
The Yxy color **47.8525, 0.3431, 0.3777** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **31.7644, 0.2794, 0.2752**, and the grayscale version is **46.9086, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8707, 0.3376, 0.3690**, and **22.6434, 0.3508, 0.3920** is the 20% darker color. If you saturate the color by 10%, you get **47.1096, 0.3583, 0.4019**, and if you desaturate by 10%, it is **48.6961, 0.3279, 0.3534**.

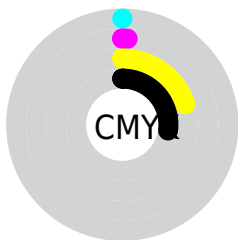
Distribution



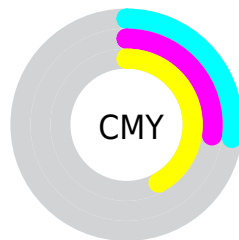
- Red (73%)
- Green (73%)
- Blue (58%)



- Red (59%)
- Yellow (73%)
- Blue (58%)



- Cyan (0%)
- Magenta (1%)
- Yellow (20%)
- Black (27%)





- Cyan (27%)
- Magenta (27%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8525, 0.3431, 0.3777 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 47.8525, 0.3431, 0.3777 by changing the saturation by 10% instead.


 47.8525, 0.3431,
0.3777

 47.8525, 0.3431,
0.3777

378.2072, 0.3282,
0.3532

 33.7101, 0.3467,
0.3838


 86.9848, 0.3378,
0.3688

 22.6710, 0.3513,
0.3917


 112.7434, 0.3357,
0.3654

 14.3507, 0.3572,
0.4022


143.1429, 0.3340,
0.3626

 8.3650, 0.3651,
0.4167

178.5676, 0.3325,
0.3602

 4.3294, 0.3761,
0.4381

219.4021, 0.3312,
0.3581

 1.8595, 0.4004,
0.4825

266.0305, 0.3301,

 0.5238, 0.4039,

0.3563

0.5961

318.8374, 0.3291,
0.3546

■ 0.0000, 0.0000,
0.0000

■ 47.8525, 0.3431,
0.3777

■ 47.8525, 0.3431,
0.3777

■ 47.1096, 0.3583,
0.4019

■ 48.6961, 0.3279,
0.3534

■ 46.4565, 0.3731,
0.4253

■ 49.6384, 0.3132,
0.3297

■ 45.8904, 0.3868,
0.4468

■ 50.6855, 0.2991,
0.3071

■ 45.4059, 0.3988,
0.4655

■ 51.8410, 0.2860,
0.2859

■ 44.9969, 0.4088,
0.4807

■ 53.1088, 0.2739,
0.2662

■ 44.6567, 0.4162,
0.4917

■ 54.0887, 0.2663,
0.2541

■ 44.3771, 0.4210,
0.4985

■ 54.2882, 0.2664,
0.2547

■ 44.1484, 0.4237,
0.5018

■ 54.4883, 0.2665,
0.2552

■ 54.6891, 0.2665,
0.2558

Harmonies

Analogous

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



47.8525, 0.3619, 0.3682



47.8525, 0.3431, 0.3777



47.8525, 0.3166, 0.3732

Triad

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



47.8525, 0.3431, 0.3777



47.8525, 0.2611, 0.3051



47.8525, 0.3347, 0.3047

Complementary

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



47.8525, 0.3431, 0.3777



31.7644, 0.2794, 0.2752

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.



47.8525, 0.3069, 0.2894



47.8525, 0.3431, 0.3777



47.8525, 0.2653, 0.2887

Square

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



47.8525, 0.3431, 0.3777



47.8525, 0.2699, 0.3295



47.8525, 0.2817, 0.2834



47.8525, 0.3572, 0.3261

Rectangle

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



47.8525, 0.3431, 0.3777



47.8525, 0.2984, 0.3624



47.8525, 0.2817, 0.2834



47.8525, 0.3256, 0.2987

Sweetspot

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



47.8546, 0.3431, 0.3777



87.9457, 0.3216, 0.3433



34.2607, 0.3512, 0.3274



19.3431, 0.3226, 0.3449



95.5105, 0.3127, 0.3290



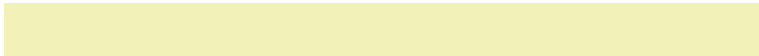
19.5994, 0.3127, 0.3290

Same Dimension

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



47.8546, 0.3431, 0.3777



85.1840, 0.3493, 0.3876



46.1545, 0.3273, 0.3814



11.0788, 0.3265, 0.3511



30.4498, 0.4236, 0.5018



1.2057, 0.4225, 0.5027

Inverse Universe

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



31.7644, 0.2794, 0.2752



51.5590, 0.2717, 0.2628



33.2606, 0.2956, 0.2763



9.2622, 0.2984, 0.3059



2.5572, 0.1505, 0.0619



0.1133, 0.1525, 0.0690

Previews

White Background



This preview shows how the Yxy color 47.8525, 0.3431, 0.3777 looks on a white background.

Color Contrast Check

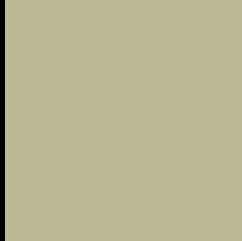
Large Text (above 18pt) WCAG AA × Fail

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 47.8525, 0.3431, 0.3777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

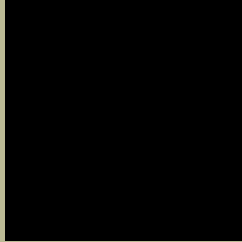
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

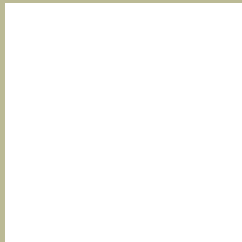
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.8525, 0.3431, 0.3777

Background



This preview shows how black text looks on a background with the Yxy color 47.8525, 0.3431, 0.3777.



This preview shows how white text looks on a background with the Yxy color 47.8525, 0.3431, 0.3777.

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

47.8525, 0.3431, 0.3777

Protanopia

47.6072, 0.3520, 0.3742

Deuteranopia

47.8248, 0.3679, 0.3609



Tritanopia

47.8750, 0.3127, 0.3115

Trichromacy



Original Color

47.8525, 0.3431, 0.3777

Protanomaly

47.6256, 0.3490, 0.3758

Deuteranomaly

47.6819, 0.3594, 0.3668

Tritanomaly

47.7466, 0.3237, 0.3341

Monochromacy



Original Color

47.8525, 0.3431, 0.3777

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.9596, 0.3239, 0.3461

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8525, 0.3431, 0.3777 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(187, 186, 149)` looks like.

```
.text, #text, p{  
    color:rgb(187, 186, 149)  
}
```

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(187, 186, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 186, 149) }
```

Border

The CSS property to change the border of an element to Yxy 47.8525, 0.3431, 0.3777 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(187, 186, 149) }
```

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

```
.border{ border-color:rgb(187, 186, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 186, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 186, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 186, 149);  
box-shadow:4px 4px 4px 4px rgb(187, 186,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8525, 0.3431, 0.3777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 186, 149) }
```

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

```
.background{ background-color: rgb(187,  
186, 149) }
```

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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