

Converting Colors

$Y_{xy}(47.5686, 0.3742, 0.3984)$

Have a look what the booklet for
Yxy(47.5686, 0.3742, 0.3984)
contains.

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Color

Yxy(47.8430, 0.3742, 0.3985)

Conversions

Conversions Part 1

Format	Color
Hex	C9B780
RGB	201, 183, 128
RGB Percent	79%, 72%, 50%
CMY	0.2116, 0.2824, 0.4980
CMYK	0.00, 0.09, 0.36, 0.21
HSL	45°, 40%, 65%
HSV	45°, 36%, 79%
XYZ	44.9256, 47.8430, 27.2891
YIQ	182.1120, 28.3830, -13.2890

Conversions

Conversions Part 2

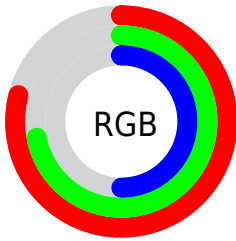
Format	Color
RYB	152, 201, 128
Decimal	13219712
CIELab	74.73, -1.58, 30.33
CIELCh	75, 30.367, 92.976
Yxy	47.8430, 0.3742, 0.3985
Android (android.graphics.Color)	4291409792 (0xFFC9B780)
YUV	182.1120, -26.6772, 16.5648
Hunter-Lab	69.1686, -5.1079, 25.0263

Details

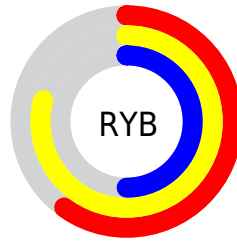
The Yxy color **47.8430, 0.3742, 0.3985** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **29.3827, 0.2509, 0.2479**, and the grayscale version is **46.9835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3292, 0.3609, 0.3873**, and **22.6263, 0.3907, 0.4167** is the 20% darker color. If you saturate the color by 10%, you get **45.3536, 0.3929, 0.4171**, and if you desaturate by 10%, it is **50.5140, 0.3559, 0.3791**.

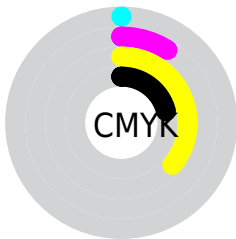
Distribution



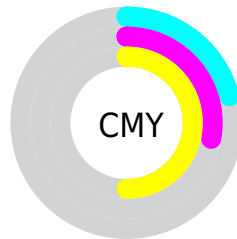
- Red (79%)
- Green (72%)
- Blue (50%)



- Red (60%)
- Yellow (79%)
- Blue (50%)



- Cyan (0%)
- Magenta (9%)
- Yellow (36%)
- Black (21%)





- Cyan (21%)
- Magenta (28%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8430, 0.3742, 0.3985 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 47.8430, 0.3742, 0.3985 by changing the saturation by 10% instead.

 47.8430, 0.3742,
0.3985


 47.8430, 0.3742,
0.3985


378.1695, 0.3441,
0.3642


 33.7026, 0.3814,
0.4067


 86.9706, 0.3635,
0.3862

 22.6652, 0.3903,
0.4171


 112.7266, 0.3594,
0.3816

 14.3465, 0.4017,
0.4304


 143.1232, 0.3559,
0.3776

 8.3620, 0.4164,
0.4477

178.5448, 0.3529,
0.3742

 4.3275, 0.4356,
0.4708

219.3758, 0.3503,
0.3712

 1.8584, 0.4783,
0.5217

266.0007, 0.3479,

 0.5232, 0.4672,

0.3686

0.5328

318.8038, 0.3459,
0.3663

0.0000, 0.0000,
0.0000

47.8430, 0.3742,
0.3985

47.8430, 0.3742,
0.3985

45.3536, 0.3929,
0.4171

50.5140, 0.3559,
0.3791

43.0323, 0.4114,
0.4339

53.3665, 0.3385,
0.3596

40.8737, 0.4290,
0.4478

56.4088, 0.3223,
0.3406

38.8692, 0.4447,
0.4580

59.6464, 0.3074,
0.3225

37.0090, 0.4578,
0.4635

63.0847, 0.2939,
0.3054

■ 35.2808, 0.4680,
0.4643

■ 66.7289, 0.2816,
0.2896

■ 34.6715, 0.4713,
0.4640

■ 69.6675, 0.2783,
0.2887

■ 72.2796, 0.2787,
0.2942

■ 74.9697, 0.2790,
0.2997

Harmonies

Analogous

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



47.8430, 0.3949, 0.3744



47.8430, 0.3742, 0.3985



47.8430, 0.3375, 0.4042

Triad

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



47.8430, 0.3742, 0.3985



47.8430, 0.2391, 0.3079



47.8430, 0.3259, 0.2805

Complementary

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



47.8430, 0.3742, 0.3985



29.3827, 0.2509, 0.2479

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.



47.8430, 0.2841, 0.2640



47.8430, 0.3742, 0.3985



47.8430, 0.2364, 0.2770

Square

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



47.8430, 0.3742, 0.3985



47.8430, 0.2601, 0.3487



47.8430, 0.2522, 0.2621



47.8430, 0.3664, 0.3081

Rectangle

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



47.8430, 0.3742, 0.3985



47.8430, 0.3095, 0.3946



47.8430, 0.2522, 0.2621



47.8430, 0.3114, 0.2736

Sweetspot

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



47.8452, 0.3742, 0.3985



93.9797, 0.3300, 0.3497



29.9459, 0.3774, 0.3053



19.9628, 0.3322, 0.3523



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.



47.8452, 0.3742, 0.3985



78.3236, 0.3897, 0.4140



53.3921, 0.3512, 0.4236



11.9558, 0.3271, 0.3463



21.9405, 0.4704, 0.4647



1.1479, 0.4576, 0.4749

Inverse Universe

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



29.3827, 0.2509, 0.2479



41.9901, 0.2353, 0.2255



25.7931, 0.2632, 0.2250



10.7063, 0.2983, 0.3111



4.1917, 0.1583, 0.0897



0.3171, 0.1699, 0.1315

Previews

White Background



This preview shows how the Yxy color 47.8430, 0.3742, 0.3985 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 47.8430, 0.3742, 0.3985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

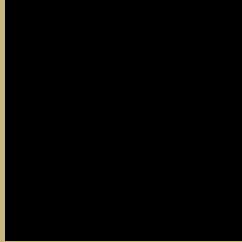
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.8430, 0.3742, 0.3985

Background



This preview shows how black text looks on a background with the Yxy color 47.8430, 0.3742, 0.3985.



This preview shows how white text looks on a background with the Yxy color 47.8430, 0.3742, 0.3985.

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

47.8430, 0.3742, 0.3985

Protanopia

47.9816, 0.3719, 0.4002

Deuteranopia

47.6957, 0.3934, 0.3852



Tritanopia

47.7440, 0.3303, 0.3121

Trichromacy



Original Color

47.8430, 0.3742, 0.3985

Protanomaly

48.1189, 0.3728, 0.3999

Deuteranomaly

47.8222, 0.3854, 0.3902

Tritanomaly

47.6099, 0.3461, 0.3428

Monochromacy



Original Color

47.8430, 0.3742, 0.3985

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.8833, 0.3351, 0.3551

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8430, 0.3742, 0.3985 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(201, 183, 128)` looks like.

```
.text, #text, p{  
    color:rgb(201, 183, 128)  
}
```

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(201, 183, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 183, 128) }
```

Border

The CSS property to change the border of an element to Yxy 47.8430, 0.3742, 0.3985 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(201, 183, 128) }
```

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

```
.border{ border-color:rgb(201, 183, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 183, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 183, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 183, 128);  
box-shadow:4px 4px 4px 4px rgb(201, 183,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8430, 0.3742, 0.3985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 183, 128) }
```

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

```
.background{ background-color: rgb(201,  
183, 128) }
```

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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