

Converting Colors

$Yxy(48.0166, 0.3846, 0.3805)$

Have a look what the booklet for
Yxy(48.0166, 0.3846, 0.3805)
contains.

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Color

Yxy(48.1890, 0.3844, 0.3811)

Conversions

Conversions Part 1

Format	Color
Hex	D8B287
RGB	216, 178, 135
RGB Percent	85%, 70%, 53%
CMY	0.1530, 0.3019, 0.4707
CMYK	0.00, 0.18, 0.38, 0.15
HSL	32°, 51%, 69%
HSV	32°, 38%, 85%
XYZ	48.6063, 48.1890, 29.6519
YIQ	184.4600, 36.4510, -5.3170

Conversions

Conversions Part 2

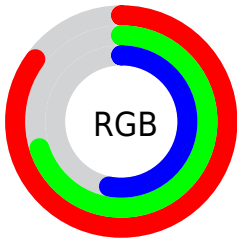
Format	Color
R _Y B	207, 216, 135
Decimal	14201479
CIE Lab	74.94, 7.84, 27.16
CIE LCh	75, 28.273, 73.897
Yxy	48.1890, 0.3844, 0.3811
Android (android.graphics.Color)	4292391559 (0xFFD8B287)
YUV	184.4600, -24.3838, 27.6606
Hunter-Lab	69.4183, 3.5026, 23.2672

Details

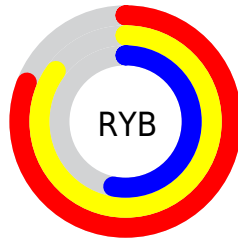
The Yxy color **48.1890, 0.3844, 0.3811** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **39.9693, 0.2521, 0.2701**, and the grayscale version is **48.3222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7798, 0.3569, 0.3745**, and **22.7967, 0.4045, 0.3929** is the 20% darker color. If you saturate the color by 10%, you get **43.7624, 0.4086, 0.3948**, and if you desaturate by 10%, it is **53.0407, 0.3622, 0.3668**.

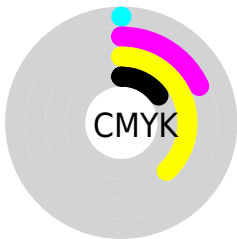
Distribution



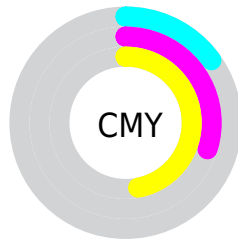
- Red (85%)
- Green (70%)
- Blue (53%)



- Red (81%)
- Yellow (85%)
- Blue (53%)



- Cyan (0%)
- Magenta (18%)
- Yellow (38%)
- Black (15%)





- Cyan (15%)
- Magenta (30%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.1890, 0.3844, 0.3811 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 48.1890, 0.3844, 0.3811 by changing the saturation by 10% instead.

 48.1890, 0.3844,
0.3811


 48.1890, 0.3844,
0.3811


379.5408, 0.3488,
0.3561


 33.9766, 0.3931,
0.3869


 87.4857, 0.3716,
0.3723

 22.8756, 0.4040,
0.3940


 113.3389, 0.3667,
0.3690

 14.5017, 0.4183,
0.4029


 143.8410, 0.3626,
0.3661

 8.4704, 0.4373,
0.4141

179.3765, 0.3591,
0.3635

 4.3974, 0.4635,
0.4280

220.3299, 0.3560,
0.3613

 1.8983, 0.5301,
0.4699

267.0855, 0.3533,

 0.5473, 0.5653,

0.3594

0.4347

320.0276, 0.3509,
0.3577

0.0000, 0.0000,
0.0000

48.1890, 0.3844,
0.3811

48.1890, 0.3844,
0.3811

43.7624, 0.4086,
0.3948

53.0407, 0.3622,
0.3668

39.7403, 0.4343,
0.4069

58.3239, 0.3423,
0.3526

36.1101, 0.4606,
0.4162

64.0532, 0.3246,
0.3388

32.8555, 0.4860,
0.4216

70.2403, 0.3090,
0.3258

29.9584, 0.5090,
0.4218

76.8965, 0.2954,
0.3137

■ 27.3961, 0.5284,
0.4167

■ 83.4012, 0.2888,
0.3121

■ 26.8019, 0.5329,
0.4150

■ 89.4868, 0.2892,
0.3227

■ 93.3356, 0.2894,
0.3289

Harmonies

Analogous

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



48.1890, 0.3902, 0.3526



48.1890, 0.3844, 0.3811



48.1890, 0.3589, 0.3979

Triad

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



48.1890, 0.3844, 0.3811



48.1890, 0.2547, 0.3332



48.1890, 0.2997, 0.2724

Complementary

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



48.1890, 0.3844, 0.3811



39.9693, 0.2521, 0.2701

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.



48.1890, 0.2656, 0.2654



48.1890, 0.3844, 0.3811



48.1890, 0.2410, 0.2976

Square

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



48.1890, 0.3844, 0.3811



48.1890, 0.2838, 0.3704



48.1890, 0.2449, 0.2738



48.1890, 0.3395, 0.2922

Rectangle

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



48.1890, 0.3844, 0.3811



48.1890, 0.3348, 0.3984



48.1890, 0.2449, 0.2738



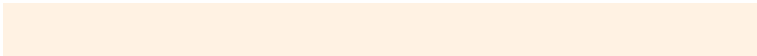
48.1890, 0.2873, 0.2685

Sweetspot

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



48.1913, 0.3844, 0.3811



90.2207, 0.3307, 0.3437



34.9779, 0.3596, 0.2818



19.0651, 0.3331, 0.3456



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.



48.1913, 0.3844, 0.3811



65.0373, 0.4034, 0.3920



65.2400, 0.3677, 0.4220



13.5023, 0.3278, 0.3414



16.0856, 0.5307, 0.4168



1.1353, 0.5064, 0.4361

Inverse Universe

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



39.9693, 0.2521, 0.2701



51.4136, 0.2391, 0.2550



27.5396, 0.2453, 0.2161



12.9587, 0.2982, 0.3163



8.6823, 0.1746, 0.1485



0.6886, 0.1836, 0.1811

Previews

White Background



This preview shows how the Yxy color 48.1890, 0.3844, 0.3811 looks on a white background.

Color Contrast Check

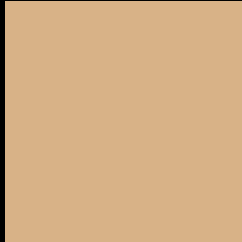
Large Text (above 18pt) WCAG AA × Fail

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 48.1890, 0.3844, 0.3811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

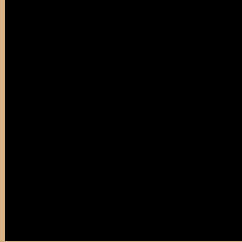
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.1890, 0.3844, 0.3811

Background



This preview shows how black text looks on a background with the Yxy color 48.1890, 0.3844, 0.3811.



This preview shows how white text looks on a background with the Yxy color 48.1890, 0.3844, 0.3811.

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

48.1890, 0.3844, 0.3811

Protanopia

48.1217, 0.3627, 0.3878

Deuteranopia

48.2536, 0.3877, 0.3794



Tritanopia

48.0008, 0.3462, 0.3127

Trichromacy



Original Color

48.1890, 0.3844, 0.3811

Protanomaly

48.2412, 0.3708, 0.3853

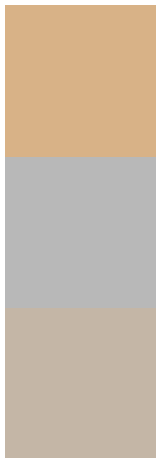
Deuteranomaly

48.0990, 0.3867, 0.3795

Tritanomaly

48.1222, 0.3599, 0.3375

Monochromacy



Original Color

48.1890, 0.3844, 0.3811

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.9448, 0.3380, 0.3494

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1890, 0.3844, 0.3811 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(216, 178, 135)` looks like.

```
.text, #text, p{  
    color:rgb(216, 178, 135)  
}
```

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(216, 178, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 178, 135) }
```

Border

The CSS property to change the border of an element to Yxy 48.1890, 0.3844, 0.3811 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(216, 178, 135) }
```

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

```
.border{ border-color:rgb(216, 178, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 178, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 178, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 178, 135);  
box-shadow:4px 4px 4px 4px rgb(216, 178,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1890, 0.3844, 0.3811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 178, 135) }
```

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

```
.background{ background-color: rgb(216,  
178, 135) }
```

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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