

Converting Colors

$Y_{xy}(47.6281, 0.3904, 0.3752)$

Have a look what the booklet for
Yxy(47.6281, 0.3904, 0.3752)
contains.

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Color

Yxy(47.4218, 0.3900, 0.3744)

Conversions

Conversions Part 1

Format	Color
Hex	DDAE88
RGB	221, 174, 136
RGB Percent	87%, 68%, 53%
CMY	0.1333, 0.3176, 0.4667
CMYK	0.00, 0.21, 0.38, 0.13
HSL	27°, 56%, 70%
HSV	27°, 38%, 87%
XYZ	49.3977, 47.4218, 29.8413
YIQ	183.7210, 40.2100, -1.8540

Conversions

Conversions Part 2

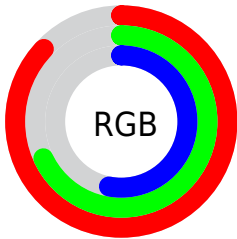
Format	Color
R _Y B	221, 205, 136
Decimal	14528136
CIE Lab	74.46, 12.09, 26.05
CIE LCh	74, 28.721, 65.102
Yxy	47.4218, 0.3900, 0.3744
Android (android.graphics.Color)	4292718216 (0xFFDDAE88)
YUV	183.7210, -23.5265, 32.6937
Hunter-Lab	68.8635, 7.5319, 22.5117

Details

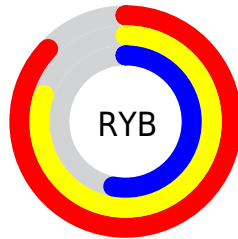
The Yxy color **47.4218, 0.3900, 0.3744** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **44.3161, 0.2520, 0.2782**, and the grayscale version is **47.8873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5713, 0.3572, 0.3696**, and **22.4835, 0.4107, 0.3856** is the 20% darker color. If you saturate the color by 10%, you get **42.3510, 0.4167, 0.3859**, and if you desaturate by 10%, it is **53.0561, 0.3660, 0.3622**.

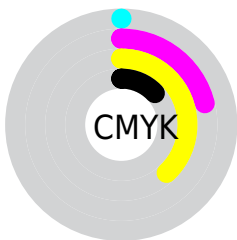
Distribution



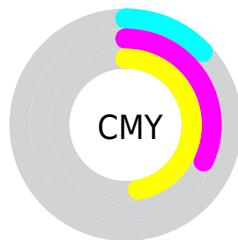
- Red (87%)
- Green (68%)
- Blue (53%)



- Red (87%)
- Yellow (80%)
- Blue (53%)



- Cyan (0%)
- Magenta (21%)
- Yellow (38%)
- Black (13%)




- Cyan (13%)
- Magenta (32%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.4218, 0.3900, 0.3744 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 47.4218, 0.3900, 0.3744 by changing the saturation by 10% instead.


 47.4218, 0.3900,
0.3744


 47.4218, 0.3900,
0.3744


376.4957, 0.3514,
0.3530

 33.3692, 0.3995,
0.3793


 86.3429, 0.3760,
0.3670

 22.4094, 0.4116,
0.3851


 111.9802, 0.3708,
0.3641

 14.1581, 0.4273,
0.3924


 142.2479, 0.3663,
0.3616

 8.2307, 0.4486,
0.4012

177.5303, 0.3625,
0.3594

 4.2429, 0.4783,
0.4115

218.2120, 0.3591,
0.3575

 1.8104, 0.5532,
0.4468

264.6771, 0.3562,

 0.4936, 0.6076,

0.3558

0.3924

317.3102, 0.3537,
0.3543

0.0000, 0.0000,
0.0000

47.4218, 0.3900,
0.3744

47.4218, 0.3900,
0.3744

42.3510, 0.4167,
0.3859

53.0561, 0.3660,
0.3622

37.8174, 0.4457,
0.3959

59.2653, 0.3448,
0.3501

33.8026, 0.4758,
0.4030

66.0692, 0.3264,
0.3384

30.2840, 0.5053,
0.4060

73.4842, 0.3104,
0.3274

27.2366, 0.5322,
0.4038

81.5261, 0.2966,
0.3171

■ 24.6290, 0.5547,
0.3964

■ 89.3032, 0.2921,
0.3211

■ 24.2619, 0.5580,
0.3951

■ 94.1115, 0.2923,
0.3289

Harmonies

Analogous

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



47.4218, 0.3892, 0.3435



47.4218, 0.3900, 0.3744



47.4218, 0.3691, 0.3961

Triad

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



47.4218, 0.3900, 0.3744



47.4218, 0.2608, 0.3449



47.4218, 0.2882, 0.2677

Complementary

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



47.4218, 0.3900, 0.3744



44.3161, 0.2520, 0.2782

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.



47.4218, 0.2568, 0.2650



47.4218, 0.3900, 0.3744



47.4218, 0.2419, 0.3066

Square

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



47.4218, 0.3900, 0.3744



47.4218, 0.2940, 0.3806



47.4218, 0.2405, 0.2781



47.4218, 0.3282, 0.2844

Rectangle

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



47.4218, 0.3900, 0.3744



47.4218, 0.3465, 0.4010



47.4218, 0.2405, 0.2781



47.4218, 0.2764, 0.2651

Sweetspot

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



47.4240, 0.3900, 0.3744



87.8613, 0.3328, 0.3426



36.4471, 0.3537, 0.2726



18.5391, 0.3352, 0.3441



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.



47.4240, 0.3900, 0.3744



59.9798, 0.4109, 0.3836



65.9179, 0.3724, 0.4186



14.0054, 0.3280, 0.3395



14.3136, 0.5554, 0.3972



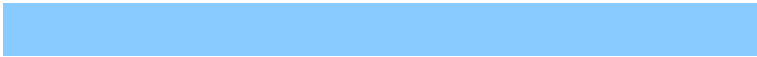
1.0976, 0.5277, 0.4192

Inverse Universe

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



44.3161, 0.2520, 0.2782



55.0956, 0.2397, 0.2656



29.7009, 0.2433, 0.2201



13.8047, 0.2982, 0.3183



11.3728, 0.1824, 0.1765



0.9079, 0.1899, 0.2036

Previews

White Background



This preview shows how the Yxy color 47.4218, 0.3900, 0.3744 looks on a white background.

Color Contrast Check

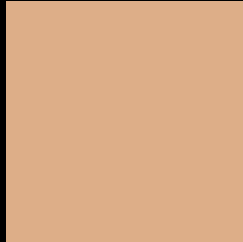
Large Text (above 18pt) WCAG AA × Fail

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 47.4218, 0.3900, 0.3744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

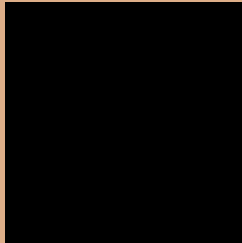
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.4218, 0.3900, 0.3744

Background



This preview shows how black text looks on a background with the Yxy color 47.4218, 0.3900, 0.3744.



This preview shows how white text looks on a background with the Yxy color 47.4218, 0.3900, 0.3744.

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

47.4218, 0.3900, 0.3744

Protanopia

47.4962, 0.3596, 0.3844

Deuteranopia

47.5800, 0.3853, 0.3774



Tritanopia

47.3490, 0.3541, 0.3140

Trichromacy



Original Color

47.4218, 0.3900, 0.3744

Protanomaly

47.4857, 0.3698, 0.3805

Deuteranomaly

47.3429, 0.3867, 0.3761

Tritanomaly

47.3134, 0.3676, 0.3350

Monochromacy



Original Color

47.4218, 0.3900, 0.3744

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.3029, 0.3384, 0.3456

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4218, 0.3900, 0.3744 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(221, 174, 136)` looks like.

```
.text, #text, p{  
    color:rgb(221, 174, 136)  
}
```

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(221, 174, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 174, 136) }
```

Border

The CSS property to change the border of an element to Yxy 47.4218, 0.3900, 0.3744 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(221, 174, 136) }
```

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

```
.border{ border-color:rgb(221, 174, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 174, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 174, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 174, 136);  
box-shadow:4px 4px 4px 4px rgb(221, 174,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4218, 0.3900, 0.3744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 174, 136) }
```

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

```
.background{ background-color: rgb(221,  
174, 136) }
```

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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