

Converting Colors

$Y_{xy}(47.0431, 0.3929, 0.3867)$

Have a look what the booklet for
Yxy(47.0431, 0.3929, 0.3867)
contains.

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Color

Yxy(46.9702, 0.3929, 0.3857)

Conversions

Conversions Part 1

Format	Color
Hex	D9AF80
RGB	217, 175, 128
RGB Percent	85%, 69%, 50%
CMY	0.1489, 0.3137, 0.4981
CMYK	0.00, 0.19, 0.41, 0.15
HSL	32°, 54%, 68%
HSV	32°, 41%, 85%
XYZ	47.8470, 46.9702, 26.9619
YIQ	182.2000, 40.1190, -5.7130

Conversions

Conversions Part 2

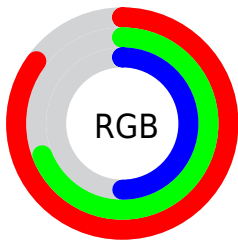
Format	Color
R_{YB}	208, 217, 128
Decimal	14266240
CIE _{Lab}	74.17, 9.08, 29.88
CIE _{LCh}	74, 31.225, 73.091
Yxy	46.9702, 0.3929, 0.3857
Android (android.graphics.Color)	4292456320 (0xFFD9AF80)
YUV	182.2000, -26.7206, 30.5196
Hunter-Lab	68.5348, 4.6824, 24.6494

Details

The Yxy color **46.9702, 0.3929, 0.3857** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **38.3568, 0.2464, 0.2639**, and the grayscale version is **47.0276, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1898, 0.3633, 0.3788**, and **22.1896, 0.4142, 0.4003** is the 20% darker color. If you saturate the color by 10%, you get **42.6229, 0.4178, 0.3989**, and if you desaturate by 10%, it is **51.7468, 0.3699, 0.3716**.

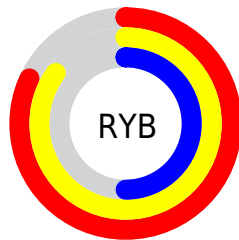
Distribution



Red (85%)

Green (69%)

Blue (50%)



Red (82%)

Yellow (85%)

Blue (50%)

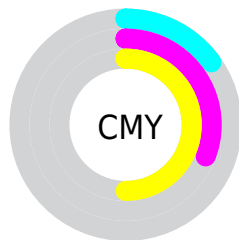


Cyan (0%)

Magenta (19%)

Yellow (41%)

Black (15%)



Cyan (15%)


Magenta (31%)

Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9702, 0.3929, 0.3857 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 46.9702, 0.3929, 0.3857 by changing the saturation by 10% instead.


 46.9702, 0.3929,
0.3857


 46.9702, 0.3929,
0.3857


374.6956, 0.3530,
0.3587

 33.0121, 0.4026,
0.3919


 85.6691, 0.3785,
0.3763

 22.1357, 0.4149,
0.3994


 111.1788, 0.3731,
0.3726

 13.9567, 0.4307,
0.4087


 141.3077, 0.3685,
0.3695

 8.0905, 0.4517,
0.4200

176.4403, 0.3645,
0.3667

 4.1529, 0.4804,
0.4335

216.9610, 0.3611,
0.3643

 1.7595, 0.5379,
0.4621

263.2542, 0.3580,

 0.4617, 0.5886,

0.3622

0.4114

315.7042, 0.3554,
0.3603

0.0000, 0.0000,
0.0000

46.9702, 0.3929,
0.3857

46.9702, 0.3929,
0.3857

42.6229, 0.4178,
0.3989

51.7468, 0.3699,
0.3716

38.6836, 0.4440,
0.4101

56.9596, 0.3491,
0.3574

35.1390, 0.4703,
0.4181

62.6237, 0.3306,
0.3435

31.9717, 0.4952,
0.4216

68.7514, 0.3143,
0.3303

29.1624, 0.5172,
0.4198

75.3544, 0.3000,
0.3180

■ 26.9211, 0.5340,
0.4142

■ 82.2357, 0.2893,
0.3098

■ 88.3211, 0.2897,
0.3205

■ 93.4960, 0.2900,
0.3289

Harmonies

Analogous

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



46.9702, 0.3989, 0.3537



46.9702, 0.3929, 0.3857



46.9702, 0.3647, 0.4055

Triad

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



46.9702, 0.3929, 0.3857



46.9702, 0.2491, 0.3346



46.9702, 0.2969, 0.2661

Complementary

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



46.9702, 0.3929, 0.3857



38.3568, 0.2464, 0.2639

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.



46.9702, 0.2596, 0.2588



46.9702, 0.3929, 0.3857



46.9702, 0.2336, 0.2946

Square

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



46.9702, 0.3929, 0.3857



46.9702, 0.2814, 0.3764



46.9702, 0.2374, 0.2681



46.9702, 0.3413, 0.2875

Rectangle

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



46.9702, 0.3929, 0.3857



46.9702, 0.3381, 0.4070



46.9702, 0.2374, 0.2681



46.9702, 0.2832, 0.2620

Sweetspot

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



46.9724, 0.3929, 0.3857



89.3109, 0.3325, 0.3450



33.1325, 0.3658, 0.2774



18.8799, 0.3348, 0.3468



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.



46.9724, 0.3929, 0.3857



62.3599, 0.4138, 0.3969



65.7278, 0.3725, 0.4303



14.1837, 0.3278, 0.3414



16.5054, 0.5319, 0.4159



1.2414, 0.5086, 0.4344

Inverse Universe

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



38.3568, 0.2464, 0.2639



48.3798, 0.2327, 0.2476



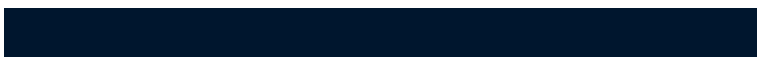
25.1508, 0.2378, 0.2037



13.6258, 0.2982, 0.3163



9.0455, 0.1748, 0.1494



0.7577, 0.1833, 0.1800

Previews

White Background



This preview shows how the Yxy color 46.9702, 0.3929, 0.3857 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 46.9702, 0.3929, 0.3857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

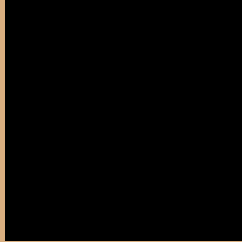
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.9702, 0.3929, 0.3857

Background



This preview shows how black text looks on a background with the Yxy color 46.9702, 0.3929, 0.3857.



This preview shows how white text looks on a background with the Yxy color 46.9702, 0.3929, 0.3857.

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

46.9702, 0.3929, 0.3857

Protanopia

46.9649, 0.3684, 0.3945

Deuteranopia

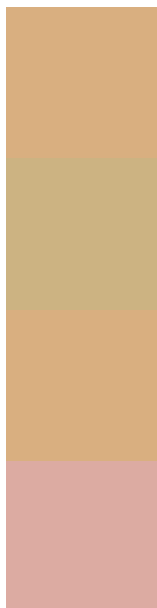
46.9702, 0.3929, 0.3857



Tritanopia

46.8711, 0.3513, 0.3139

Trichromacy



Original Color

46.9702, 0.3929, 0.3857

Protanomaly

46.6893, 0.3770, 0.3907

Deuteranomaly

46.9702, 0.3929, 0.3857

Tritanomaly

46.9501, 0.3663, 0.3399

Monochromacy



Original Color

46.9702, 0.3929, 0.3857

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.4509, 0.3411, 0.3509

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9702, 0.3929, 0.3857 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(217, 175, 128)` looks like.

```
.text, #text, p{  
    color:rgb(217, 175, 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(217, 175, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 175, 128) }
```

Border

The CSS property to change the border of an element to Yxy 46.9702, 0.3929, 0.3857 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(217, 175, 128) }
```

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

```
.border{ border-color:rgb(217, 175, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 175, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 175, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 175, 128);  
box-shadow:4px 4px 4px 4px rgb(217, 175,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9702, 0.3929, 0.3857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 175, 128) }
```

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

```
.background{ background-color: rgb(217,  
175, 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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