

Converting Colors

$Y_{xy}(49.2994, 0.3954, 0.4160)$

Have a look what the booklet for
Yxy(49.2994, 0.3954, 0.4160)
contains.

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Color

Yxy(49.2997, 0.3957, 0.4157)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | D3B870 |
| RGB | 211, 184, 112 |
| RGB Percent | 83%, 72%, 44% |
| CMY | 0.1726, 0.2784, 0.5608 |
| CMYK | 0.00, 0.13, 0.47, 0.17 |
| HSL | 44°, 53%, 63% |
| HSV | 44°, 47%, 83% |
| XYZ | 46.9278, 49.2997, 22.3669 |
| YIQ | 183.8650, 39.2040, -16.6680 |

Conversions

Conversions Part 2

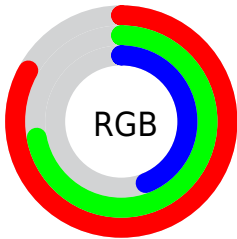
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 149, 211, 112 |
| Decimal | 13875312 |
| CIE _{Lab} | 75.64, 0.20, 39.99 |
| CIE _{LCh} | 76, 39.988, 89.719 |
| Yxy | 49.2997, 0.3957, 0.4157 |
| Android (android.graphics.Color) | 4292065392 (0xFFD3B870) |
| YUV | 183.8650, -35.4294, 23.7974 |
| Hunter-Lab | 70.2137, -3.5724, 30.2625 |

Details

The Yxy color **49.2997, 0.3957, 0.4157** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **26.6050, 0.2314, 0.2225**, and the grayscale version is **48.0378, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2968, 0.3708, 0.4041**, and **23.4504, 0.4157, 0.4369** is the 20% darker color. If you saturate the color by 10%, you get **46.5444, 0.4150, 0.4319**, and if you desaturate by 10%, it is **52.2669, 0.3763, 0.3977**.

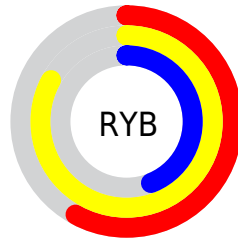
Distribution



Red (83%)

Green (72%)

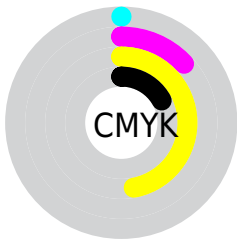
Blue (44%)



Red (58%)

Yellow (83%)

Blue (44%)

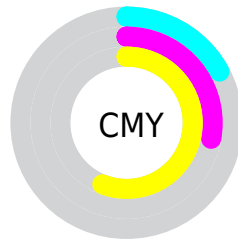


Cyan (0%)

Magenta (13%)

Yellow (47%)

Black (17%)



Cyan (17%)


Magenta (28%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.2997, 0.3957, 0.4157 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 49.2997, 0.3957, 0.4157 by changing the saturation by 10% instead.


 49.2997, 0.3957,
0.4157

 49.2997, 0.3957,
0.4157


383.9210, 0.3557,
0.3740

 34.8573, 0.4049,
0.4252


 89.1364, 0.3817,
0.4011

 23.5530, 0.4160,
0.4369


 115.2995, 0.3763,
0.3955

 15.0023, 0.4297,
0.4511


 146.1382, 0.3716,
0.3906

 8.8210, 0.4464,
0.4684

 182.0371, 0.3676,
0.3864

 4.6246, 0.4727,
0.4957

223.3804, 0.3641,
0.3827

 2.0287, 0.4884,
0.5116

270.5525, 0.3610,

 0.6241, 0.4893,

0.3794

0.5107

323.9379, 0.3582,
0.3766

0.0000, 0.0000,
0.0000

49.2997, 0.3957,
0.4157

49.2997, 0.3957,
0.4157

46.5444, 0.4150,
0.4319

52.2669, 0.3763,
0.3977

43.9852, 0.4334,
0.4452

55.4472, 0.3576,
0.3788

41.6143, 0.4499,
0.4546

58.8505, 0.3398,
0.3598

39.4203, 0.4639,
0.4594

62.4839, 0.3233,
0.3413

37.3883, 0.4749,
0.4592

66.3541, 0.3082,
0.3237

■ 36.7886, 0.4780,
0.4587

■ 70.4674, 0.2946,
0.3071

■ 74.5244, 0.2850,
0.2965

■ 77.6736, 0.2853,
0.3027

■ 80.9283, 0.2856,
0.3088

Harmonies

Analogous

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



49.2997, 0.4207, 0.3812



49.2997, 0.3957, 0.4157



49.2997, 0.3493, 0.4289

Triad

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



49.2997, 0.3957, 0.4157



49.2997, 0.2203, 0.3055



49.2997, 0.3230, 0.2643

Complementary

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



49.2997, 0.3957, 0.4157



26.6050, 0.2314, 0.2225

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.



49.2997, 0.2700, 0.2453



49.2997, 0.3957, 0.4157



49.2997, 0.2147, 0.2644

Square

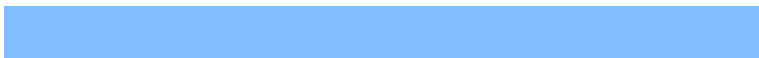
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



49.2997, 0.3957, 0.4157



49.2997, 0.2487, 0.3604



49.2997, 0.2320, 0.2444



49.2997, 0.3775, 0.2974

Rectangle

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



49.2997, 0.3957, 0.4157



49.2997, 0.3133, 0.4195



49.2997, 0.2320, 0.2444



49.2997, 0.3044, 0.2562

Sweetspot

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



49.3020, 0.3957, 0.4157



91.8576, 0.3351, 0.3546



27.3283, 0.4027, 0.2943



19.4064, 0.3388, 0.3587



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.



49.3020, 0.3957, 0.4157



71.5837, 0.4144, 0.4314



58.6453, 0.3638, 0.4507



13.2298, 0.3273, 0.3458



22.3808, 0.4769, 0.4596



1.3797, 0.4640, 0.4698

Inverse Universe

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



26.6050, 0.2314, 0.2225



32.8518, 0.2137, 0.1958



21.3105, 0.2417, 0.1887



11.9346, 0.2982, 0.3116



4.7828, 0.1596, 0.0946



0.4009, 0.1699, 0.1315

Previews

White Background



This preview shows how the Yxy color 49.2997, 0.3957, 0.4157 looks on a white background.

Color Contrast Check

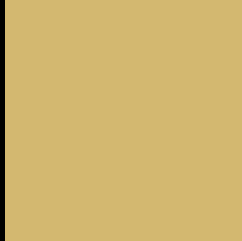
Large Text (above 18pt) WCAG AA × Fail

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 49.2997, 0.3957, 0.4157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

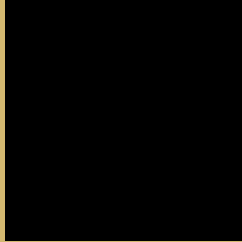
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.2997, 0.3957, 0.4157

Background



This preview shows how black text looks on a background with the Yxy color 49.2997, 0.3957, 0.4157.



This preview shows how white text looks on a background with the Yxy color 49.2997, 0.3957, 0.4157.

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

49.2997, 0.3957, 0.4157

Protanopia

49.5703, 0.3869, 0.4201

Deuteranopia

49.2018, 0.4122, 0.4035



Tritanopia

49.3509, 0.3410, 0.3138

Trichromacy



Original Color

49.2997, 0.3957, 0.4157

Protanomaly

49.5755, 0.3901, 0.4180

Deuteranomaly

49.2069, 0.4064, 0.4071

Tritanomaly

48.9778, 0.3623, 0.3508

Monochromacy



Original Color

49.2997, 0.3957, 0.4157

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.2189, 0.3425, 0.3625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2997, 0.3957, 0.4157 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(211, 184, 112)` looks like.

```
.text, #text, p{  
    color:rgb(211, 184, 112)  
}
```

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(211, 184, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 184, 112) }
```

Border

The CSS property to change the border of an element to Yxy 49.2997, 0.3957, 0.4157 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(211, 184, 112) }
```

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

```
.border{ border-color:rgb(211, 184, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 184, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 184, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 184, 112);  
box-shadow:4px 4px 4px 4px rgb(211, 184,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2997, 0.3957, 0.4157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 184, 112) }
```

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

```
.background{ background-color: rgb(211,  
184, 112) }
```

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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