

Converting Colors

$Yxy(48.7731, 0.3937, 0.3893)$

Have a look what the booklet for
Yxy(48.7731, 0.3937, 0.3893)
contains.

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Color

Yxy(49.0144, 0.3937, 0.3896)

Conversions

Conversions Part 1

Format	Color
Hex	DCB380
RGB	220, 179, 128
RGB Percent	86%, 70%, 50%
CMY	0.1373, 0.2980, 0.4981
CMYK	0.00, 0.19, 0.42, 0.14
HSL	33°, 57%, 68%
HSV	33°, 42%, 86%
XYZ	49.5302, 49.0144, 27.2624
YIQ	185.4450, 40.8070, -7.1690

Conversions

Conversions Part 2

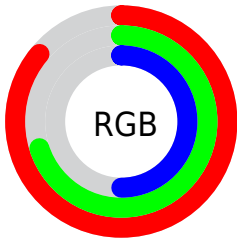
Format	Color
R _Y B	202, 220, 128
Decimal	14463872
CIE Lab	75.46, 8.13, 31.63
CIE LCh	75, 32.663, 75.580
Yxy	49.0144, 0.3937, 0.3896
Android (android.graphics.Color)	4292653952 (0xFFDCB380)
YUV	185.4450, -28.3204, 30.3047
Hunter-Lab	70.0103, 3.7655, 25.9194

Details

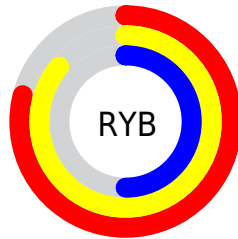
The Yxy color **49.0144, 0.3937, 0.3896** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **38.1177, 0.2444, 0.2588**, and the grayscale version is **48.9206, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0129, 0.3620, 0.3835**, and **23.2583, 0.4154, 0.4036** is the 20% darker color. If you saturate the color by 10%, you get **44.7090, 0.4180, 0.4033**, and if you desaturate by 10%, it is **53.7292, 0.3710, 0.3749**.

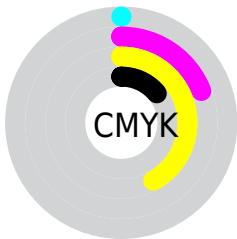
Distribution



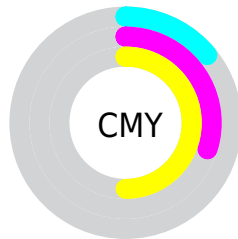
- Red (86%)
- Green (70%)
- Blue (50%)



- Red (79%)
- Yellow (86%)
- Blue (50%)



- Cyan (0%)
- Magenta (19%)
- Yellow (42%)
- Black (14%)





- Cyan (14%)
- Magenta (30%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.0144, 0.3937, 0.3896 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 49.0144, 0.3937, 0.3896 by changing the saturation by 10% instead.


 49.0144, 0.3937,
0.3896


 49.0144, 0.3937,
0.3896


382.7990, 0.3538,
0.3608

 34.6309, 0.4033,
0.3961


 88.7128, 0.3794,
0.3796

 23.3787, 0.4153,
0.4041


 114.7966, 0.3740,
0.3757

 14.8734, 0.4307,
0.4138


 145.5492, 0.3694,
0.3724

 8.7306, 0.4508,
0.4257

181.3550, 0.3654,
0.3694

 4.5659, 0.4777,
0.4397

222.5986, 0.3619,
0.3669

 1.9949, 0.5309,
0.4691

269.6641, 0.3589,

 0.6045, 0.5612,

0.3646

0.4388

322.9361, 0.3562,
0.3626

0.0000, 0.0000,
0.0000

49.0144, 0.3937,
0.3896

49.0144, 0.3937,
0.3896

44.7090, 0.4180,
0.4033

53.7292, 0.3710,
0.3749

40.7922, 0.4432,
0.4148

58.8595, 0.3504,
0.3600

37.2511, 0.4682,
0.4231


64.4199, 0.3319,
0.3454


34.0690, 0.4916,
0.4268

70.4222, 0.3155,
0.3315

31.2269, 0.5120,
0.4251

76.8774, 0.3011,
0.3184

 29.1355, 0.5262,
0.4204

 83.4719, 0.2912,
0.3113

 89.3284, 0.2915,
0.3214

 93.9557, 0.2917,
0.3289

Harmonies

Analogous

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



49.0144, 0.4021, 0.3573



49.0144, 0.3937, 0.3896



49.0144, 0.3631, 0.4087

Triad

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



49.0144, 0.3937, 0.3896



49.0144, 0.2451, 0.3310



49.0144, 0.3001, 0.2657

Complementary

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



49.0144, 0.3937, 0.3896



38.1177, 0.2444, 0.2588

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.



49.0144, 0.2607, 0.2568



49.0144, 0.3937, 0.3896



49.0144, 0.2309, 0.2906

Square

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



49.0144, 0.3937, 0.3896



49.0144, 0.2771, 0.3748



49.0144, 0.2364, 0.2647



49.0144, 0.3459, 0.2887

Rectangle

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



49.0144, 0.3937, 0.3896



49.0144, 0.3351, 0.4089



49.0144, 0.2364, 0.2647



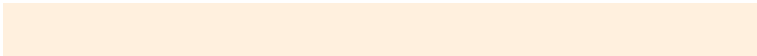
49.0144, 0.2857, 0.2610

Sweetspot

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



49.0167, 0.3937, 0.3896



88.9837, 0.3341, 0.3472



33.5261, 0.3708, 0.2798



18.6685, 0.3381, 0.3504



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.



49.0167, 0.3937, 0.3896



63.2878, 0.4145, 0.4014



67.2520, 0.3712, 0.4332



14.2429, 0.3278, 0.3420



17.3249, 0.5242, 0.4220



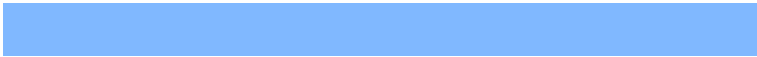
1.2934, 0.5025, 0.4392

Inverse Universe

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



38.1177, 0.2444, 0.2588



46.1737, 0.2302, 0.2412



25.5506, 0.2384, 0.2014



13.5673, 0.2982, 0.3157



8.3740, 0.1725, 0.1409



0.7127, 0.1812, 0.1724

Previews

White Background



This preview shows how the Yxy color 49.0144, 0.3937, 0.3896 looks on a white background.

Color Contrast Check

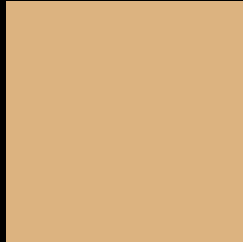
Large Text (above 18pt) WCAG AA × Fail

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 49.0144, 0.3937, 0.3896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

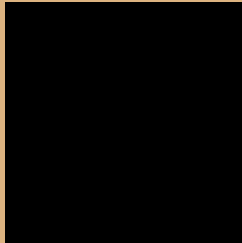
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.0144, 0.3937, 0.3896

Background



This preview shows how black text looks on a background with the Yxy color 49.0144, 0.3937, 0.3896.

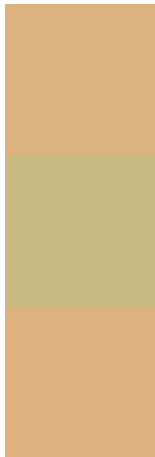


This preview shows how white text looks on a background with the Yxy color 49.0144, 0.3937, 0.3896.

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

49.0144, 0.3937, 0.3896

Protanopia

49.1740, 0.3705, 0.3983

Deuteranopia

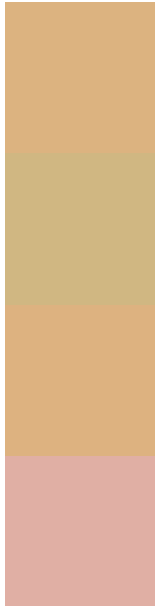
48.9289, 0.3960, 0.3880



Tritanopia

49.1766, 0.3505, 0.3141

Trichromacy



Original Color

49.0144, 0.3937, 0.3896

Protanomaly

48.8886, 0.3790, 0.3944

Deuteranomaly

48.7715, 0.3951, 0.3882

Tritanomaly

49.1876, 0.3670, 0.3421

Monochromacy



Original Color

49.0144, 0.3937, 0.3896

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.5531, 0.3413, 0.3531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0144, 0.3937, 0.3896 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(220, 179, 128)` looks like.

```
.text, #text, p{  
    color:rgb(220, 179, 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(220, 179, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 179, 128) }
```

Border

The CSS property to change the border of an element to Yxy 49.0144, 0.3937, 0.3896 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(220, 179, 128) }
```

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

```
.border{ border-color:rgb(220, 179, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 179, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 179, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 179, 128);  
box-shadow:4px 4px 4px 4px rgb(220, 179,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0144, 0.3937, 0.3896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 179, 128) }
```

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

```
.background{ background-color: rgb(220,  
179, 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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