

Converting Colors

$Yxy(42.5678, 0.3839, 0.3813)$

Have a look what the booklet for
Yxy(42.5678, 0.3839, 0.3813)
contains.

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Color

Yxy(42.4011, 0.3837, 0.3801)

Conversions

Conversions Part 1

Format	Color
Hex	CCA880
RGB	204, 168, 128
RGB Percent	80%, 66%, 50%
CMY	0.2000, 0.3412, 0.4981
CMYK	0.00, 0.18, 0.37, 0.20
HSL	32°, 43%, 65%
HSV	32°, 37%, 80%
XYZ	42.8027, 42.4011, 26.3487
YIQ	174.2040, 34.2960, -4.8080

Conversions

Conversions Part 2

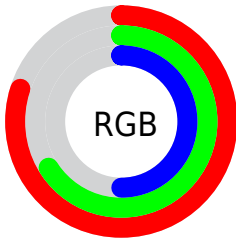
Format	Color
R _Y B	196, 204, 128
Decimal	13412480
CIE Lab	71.15, 7.62, 25.62
CIE LCh	71, 26.729, 73.443
Yxy	42.4011, 0.3837, 0.3801
Android (android.graphics.Color)	4291602560 (0xFFCCA880)
YUV	174.2040, -22.7786, 26.1311
Hunter-Lab	65.1161, 3.3799, 21.5901

Details

The Yxy color **42.4011, 0.3837, 0.3801** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **35.5023, 0.2528, 0.2714**, and the grayscale version is **42.5452, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3715, 0.3653, 0.3720**, and **19.3367, 0.4042, 0.3941** is the 20% darker color. If you saturate the color by 10%, you get **38.4818, 0.4079, 0.3936**, and if you desaturate by 10%, it is **46.6976, 0.3616, 0.3660**.

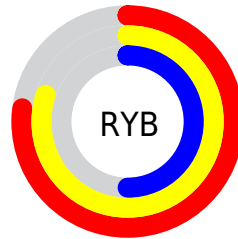
Distribution



Red (80%)

Green (66%)

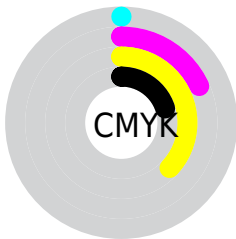
Blue (50%)



Red (77%)

Yellow (80%)

Blue (50%)

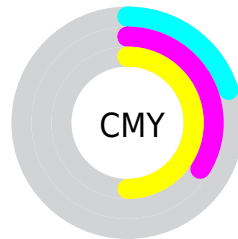


Cyan (0%)

Magenta (18%)

Yellow (37%)

Black (20%)



Cyan (20%)


Magenta (34%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.4011, 0.3837, 0.3801 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 42.4011, 0.3837, 0.3801 by changing the saturation by 10% instead.


 42.4011, 0.3837,
0.3801


 42.4011, 0.3837,
0.3801


356.1430, 0.3477,
0.3551


 29.4155, 0.3927,
0.3860


 78.8063, 0.3706,
0.3712

 19.3954, 0.4043,
0.3935


 102.9947, 0.3656,
0.3678

 11.9563, 0.4195,
0.4028


 131.6862, 0.3615,
0.3649

 6.7139, 0.4402,
0.4148

165.2650, 0.3579,
0.3624

 3.2838, 0.4703,
0.4304

204.1158, 0.3548,
0.3602

 1.2817, 0.5345,
0.4655

248.6227, 0.3522,

 0.1269, 0.7072,

0.3583

0.2928

299.1703, 0.3498,
0.3566

0.0000, 0.0000,
0.0000

42.4011, 0.3837,
0.3801

42.4011, 0.3837,
0.3801

38.4818, 0.4079,
0.3936

46.6976, 0.3616,
0.3660

34.9216, 0.4336,
0.4057

51.3768, 0.3417,
0.3519

31.7092, 0.4600,
0.4150

56.4518, 0.3241,
0.3384


28.8305, 0.4857,
0.4205


61.9328, 0.3087,
0.3256


26.2693, 0.5090,
0.4209


67.8299, 0.2952,
0.3137


 24.0062, 0.5288,
0.4160

 74.1525, 0.2833,
0.3027

 23.4309, 0.5339,
0.4142

 79.8498, 0.2814,
0.3084

 85.5556, 0.2821,
0.3188

 91.5670, 0.2827,
0.3289

Harmonies

Analogous

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



42.4011, 0.3890, 0.3519



42.4011, 0.3837, 0.3801



42.4011, 0.3588, 0.3968

Triad

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



42.4011, 0.3837, 0.3801



42.4011, 0.2558, 0.3338



42.4011, 0.2993, 0.2729

Complementary

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



42.4011, 0.3837, 0.3801



35.5023, 0.2528, 0.2714

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.



42.4011, 0.2658, 0.2663



42.4011, 0.3837, 0.3801



42.4011, 0.2420, 0.2985

Square

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



42.4011, 0.3837, 0.3801



42.4011, 0.2847, 0.3703



42.4011, 0.2456, 0.2747



42.4011, 0.3386, 0.2923

Rectangle

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



42.4011, 0.3837, 0.3801



42.4011, 0.3351, 0.3976



42.4011, 0.2456, 0.2747



42.4011, 0.2871, 0.2691

Sweetspot

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



42.4031, 0.3837, 0.3801



90.1363, 0.3307, 0.3436



30.9834, 0.3589, 0.2823



19.0450, 0.3331, 0.3454



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.



42.4031, 0.3837, 0.3801



64.7667, 0.4037, 0.3915



57.4099, 0.3671, 0.4211



12.1745, 0.3277, 0.3412



14.9338, 0.5319, 0.4159



0.9218, 0.5041, 0.4379

Inverse Universe

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



35.5023, 0.2528, 0.2714



51.6727, 0.2392, 0.2558



24.4854, 0.2461, 0.2175



11.7059, 0.2983, 0.3165



8.2669, 0.1751, 0.1505



0.5781, 0.1854, 0.1873

Previews

White Background



This preview shows how the Yxy color 42.4011, 0.3837, 0.3801 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 42.4011, 0.3837, 0.3801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

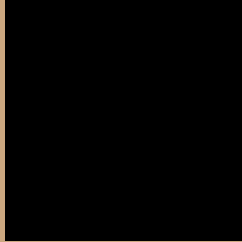
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.4011, 0.3837, 0.3801

Background



This preview shows how black text looks on a background with the Yxy color 42.4011, 0.3837, 0.3801.



This preview shows how white text looks on a background with the Yxy color 42.4011, 0.3837, 0.3801.

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

42.4011, 0.3837, 0.3801

Protanopia

42.4756, 0.3619, 0.3869

Deuteranopia

42.3178, 0.3861, 0.3785



Tritanopia

42.4520, 0.3469, 0.3143

Trichromacy



Original Color

42.4011, 0.3837, 0.3801

Protanomaly

42.4542, 0.3694, 0.3846

Deuteranomaly

42.1751, 0.3851, 0.3787

Tritanomaly

42.2506, 0.3607, 0.3379

Monochromacy



Original Color

42.4011, 0.3837, 0.3801

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.2537, 0.3376, 0.3492

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4011, 0.3837, 0.3801 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(204, 168, 128)` looks like.

```
.text, #text, p{  
    color:rgb(204, 168, 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(204, 168, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 168, 128) }
```

Border

The CSS property to change the border of an element to Yxy 42.4011, 0.3837, 0.3801 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(204, 168, 128) }
```

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

```
.border{ border-color:rgb(204, 168, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 168, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 168, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 168, 128);  
box-shadow:4px 4px 4px 4px rgb(204, 168,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4011, 0.3837, 0.3801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 168, 128) }
```

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

```
.background{ background-color: rgb(204,  
168, 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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