

Converting Colors

$Y_{xy}(47.8130, 0.3869, 0.4123)$

Have a look what the booklet for
Yxy(47.8130, 0.3869, 0.4123)
contains.

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Color

Yxy(47.9653, 0.3866, 0.4122)

Conversions

Conversions Part 1

Format	Color
Hex	CCB774
RGB	204, 183, 116
RGB Percent	80%, 72%, 45%
CMY	0.2000, 0.2823, 0.5451
CMYK	0.00, 0.10, 0.43, 0.20
HSL	46°, 46%, 63%
HSV	46°, 43%, 80%
XYZ	44.9864, 47.9653, 23.4125
YIQ	181.6410, 34.0230, -16.3850

Conversions

Conversions Part 2

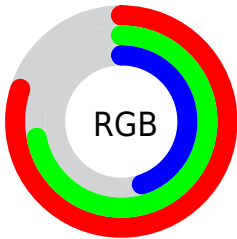
Format	Color
RYB	144, 204, 116
Decimal	13416308
CIELab	74.80, -1.73, 36.74
CIELCh	75, 36.779, 92.702
Yxy	47.9653, 0.3866, 0.4122
Android (android.graphics.Color)	4291606388 (0xFFCCB774)
YUV	181.6410, -32.3610, 19.6088
Hunter-Lab	69.2570, -5.2538, 28.4368

Details

The Yxy color **47.9653, 0.3866, 0.4122** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **25.9623, 0.2378, 0.2283**, and the grayscale version is **46.7401, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8576, 0.3686, 0.3992**, and **22.6545, 0.4054, 0.4336** is the 20% darker color. If you saturate the color by 10%, you get **45.5711, 0.4050, 0.4298**, and if you desaturate by 10%, it is **50.5376, 0.3681, 0.3931**.

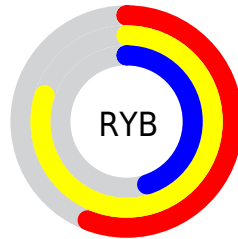
Distribution



Red (80%)

Green (72%)

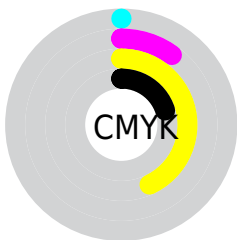
Blue (45%)



Red (56%)

Yellow (80%)

Blue (45%)

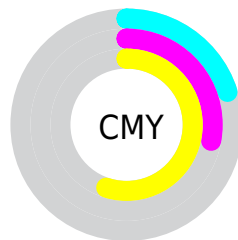


Cyan (0%)

Magenta (10%)

Yellow (43%)

Black (20%)



Cyan (20%)


Magenta (28%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.9653, 0.3866, 0.4122 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 47.9653, 0.3866, 0.4122 by changing the saturation by 10% instead.


 47.9653, 0.3866,
0.4122


 47.9653, 0.3866,
0.4122


378.6546, 0.3508,
0.3715

 33.7994, 0.3949,
0.4218


 87.1527, 0.3740,
0.3978

 22.7395, 0.4051,
0.4336


 112.9431, 0.3691,
0.3923

 14.4013, 0.4178,
0.4484


 143.3770, 0.3650,
0.3875

 8.4003, 0.4334,
0.4670

178.8389, 0.3613,
0.3835

 4.3521, 0.4569,
0.4952

219.7133, 0.3582,
0.3799

 1.8724, 0.4775,
0.5225

266.3844, 0.3554,

 0.5317, 0.4655,

0.3768

0.5345

319.2367, 0.3530,
0.3740

0.0000, 0.0000,
0.0000

47.9653, 0.3866,
0.4122

47.9653, 0.3866,
0.4122

45.5711, 0.4050,
0.4298

50.5376, 0.3681,
0.3931

43.3407, 0.4227,
0.4450

53.2882, 0.3502,
0.3733

41.2679, 0.4388,
0.4565

56.2259, 0.3332,
0.3537

39.3431, 0.4524,
0.4637

59.3566, 0.3174,
0.3348

37.5548, 0.4632,
0.4661

62.6860, 0.3029,
0.3167

■ 36.3920, 0.4693,
0.4656

■ 66.2196, 0.2898,
0.2999

■ 69.7150, 0.2801,
0.2881

■ 72.2613, 0.2804,
0.2935

■ 74.8821, 0.2808,
0.2988

Harmonies

Analogous

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



47.9653, 0.4120, 0.3820



47.9653, 0.3866, 0.4122



47.9653, 0.3422, 0.4210

Triad

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



47.9653, 0.3866, 0.4122



47.9653, 0.2249, 0.3030



47.9653, 0.3277, 0.2711

Complementary

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



47.9653, 0.3866, 0.4122



25.9623, 0.2378, 0.2283

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.



47.9653, 0.2775, 0.2517



47.9653, 0.3866, 0.4122



47.9653, 0.2217, 0.2663

Square

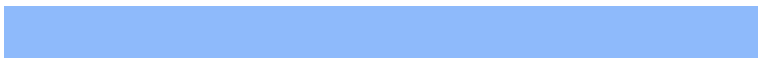
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



47.9653, 0.3866, 0.4122



47.9653, 0.2497, 0.3530



47.9653, 0.2400, 0.2492



47.9653, 0.3773, 0.3033

Rectangle

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



47.9653, 0.3866, 0.4122



47.9653, 0.3086, 0.4099



47.9653, 0.2400, 0.2492



47.9653, 0.3103, 0.2629

Sweetspot

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



47.9675, 0.3866, 0.4122



93.1047, 0.3332, 0.3538



27.1643, 0.3957, 0.3008



19.6896, 0.3370, 0.3582



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.



47.9675, 0.3866, 0.4122



75.6509, 0.4042, 0.4291



54.3875, 0.3576, 0.4417



12.6255, 0.3271, 0.3466



23.0576, 0.4684, 0.4663



1.3018, 0.4569, 0.4754

Inverse Universe

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



25.9623, 0.2378, 0.2283



34.5064, 0.2198, 0.2012



22.2559, 0.2515, 0.2026



11.2712, 0.2983, 0.3108



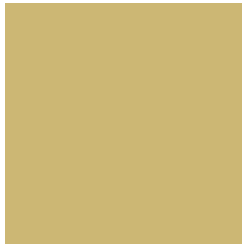
4.2302, 0.1577, 0.0878



0.3396, 0.1684, 0.1263

Previews

White Background



This preview shows how the Yxy color 47.9653, 0.3866, 0.4122 looks on a white background.

Color Contrast Check

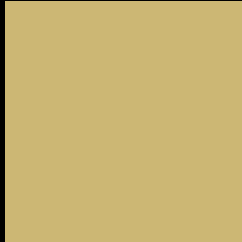
Large Text (above 18pt) WCAG AA × Fail

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 47.9653, 0.3866, 0.4122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

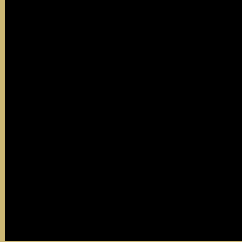
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.9653, 0.3866, 0.4122

Background



This preview shows how black text looks on a background with the Yxy color 47.9653, 0.3866, 0.4122.



This preview shows how white text looks on a background with the Yxy color 47.9653, 0.3866, 0.4122.

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

47.9653, 0.3866, 0.4122

Protanopia

47.9594, 0.3833, 0.4142

Deuteranopia

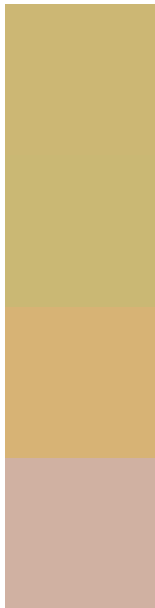
47.8883, 0.4056, 0.3970



Tritanopia

47.7518, 0.3340, 0.3122

Trichromacy



Original Color

47.9653, 0.3866, 0.4122

Protanomaly

48.0985, 0.3842, 0.4139

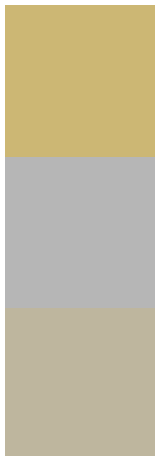
Deuteranomaly

47.9716, 0.3982, 0.4034

Tritanomaly

47.4628, 0.3535, 0.3477

Monochromacy



Original Color

47.9653, 0.3866, 0.4122

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.8717, 0.3393, 0.3603

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.9653, 0.3866, 0.4122 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, 183, 116)` looks like.

```
.text, #text, p{  
    color:rgb(204, 183, 116)  
}
```

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, 183, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 183, 116) }
```

Border

The CSS property to change the border of an element to Yxy 47.9653, 0.3866, 0.4122 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, 183, 116) }
```

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

```
.border{ border-color:rgb(204, 183, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 183, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 183, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 183, 116);  
box-shadow:4px 4px 4px 4px rgb(204, 183,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 47.9653, 0.3866, 0.4122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 183, 116) }
```

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

```
.background{ background-color: rgb(204,  
183, 116) }
```

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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