

Converting Colors

$Y_{xy}(47.0873, 0.3722, 0.3804)$

Have a look what the booklet for
Yxy(47.0873, 0.3722, 0.3804)
contains.

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Color

Yxy(47.1970, 0.3720, 0.3804)

Conversions

Conversions Part 1

Format	Color
Hex	CEB38A
RGB	206, 179, 138
RGB Percent	81%, 70%, 54%
CMY	0.1923, 0.2980, 0.4588
CMYK	0.00, 0.13, 0.33, 0.19
HSL	36°, 41%, 67%
HSV	36°, 33%, 81%
XYZ	46.1548, 47.1970, 30.7202
YIQ	182.3990, 29.2530, -7.0270

Conversions

Conversions Part 2

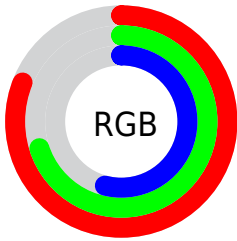
Format	Color
R _Y B	183, 206, 138
Decimal	13546378
CIE Lab	74.32, 3.71, 24.54
CIE LCh	74, 24.821, 81.399
Yxy	47.1970, 0.3720, 0.3804
Android (android.graphics.Color)	4291736458 (0xFFCEB38A)
YUV	182.3990, -21.8887, 20.6981
Hunter-Lab	68.7001, -0.3034, 21.5777

Details

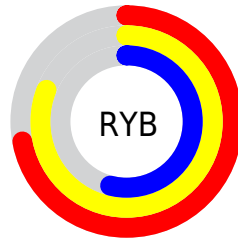
The Yxy color $47.1970, 0.3720, 0.3804$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $36.7505, 0.2589, 0.2714$, and the grayscale version is $47.1172, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.4824, 0.3546, 0.3724$, and $22.2056, 0.3888, 0.3927$ is the 20% darker color. If you saturate the color by 10%, you get $43.4800, 0.3937, 0.3961$, and if you desaturate by 10%, it is $51.2254, 0.3519, 0.3643$.

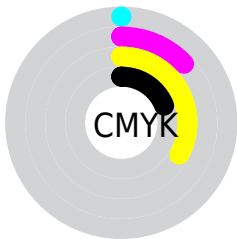
Distribution



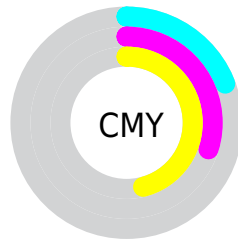
- Red (81%)
- Green (70%)
- Blue (54%)



- Red (72%)
- Yellow (81%)
- Blue (54%)



- Cyan (0%)
- Magenta (13%)
- Yellow (33%)
- Black (19%)





- Cyan (19%)
- Magenta (30%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.1970, 0.3720, 0.3804 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 47.1970, 0.3720, 0.3804 by changing the saturation by 10% instead.


 47.1970, 0.3720,
0.3804

 47.1970, 0.3720,
0.3804

375.6003, 0.3425,
0.3552


 33.1914, 0.3792,
0.3864


 86.0076, 0.3614,
0.3714

 22.2731, 0.3884,
0.3940


 111.5814, 0.3573,
0.3680

 14.0577, 0.4003,
0.4037


 141.7801, 0.3539,
0.3651

 8.1608, 0.4164,
0.4164

176.9880, 0.3510,
0.3626

 4.1980, 0.4389,
0.4334

217.5896, 0.3485,
0.3604

 1.7849, 0.5069,
0.4904

263.9693, 0.3462,

 0.4778, 0.5327,

0.3585

0.4673

316.5114, 0.3443,
0.3568

0.0000, 0.0000,
0.0000

47.1970, 0.3720,
0.3804

47.1970, 0.3720,
0.3804

43.4800, 0.3937,
0.3961

51.2254, 0.3519,
0.3643

40.0582, 0.4166,
0.4107

55.5679, 0.3337,
0.3485

36.9233, 0.4398,
0.4230

60.2352, 0.3173,
0.3334

34.0639, 0.4624,
0.4318

65.2357, 0.3027,
0.3191

31.4672, 0.4832,
0.4361

70.5773, 0.2898,
0.3059

■ 29.1185, 0.5008,
0.4352

■ 75.8364, 0.2821,
0.3003

■ 27.6069, 0.5116,
0.4320

■ 80.4376, 0.2826,
0.3091

■ 85.2540, 0.2831,
0.3178

■ 90.2883, 0.2836,
0.3264

Harmonies

Analogous

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



47.1970, 0.3817, 0.3573



47.1970, 0.3720, 0.3804



47.1970, 0.3462, 0.3909

Triad

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



47.1970, 0.3720, 0.3804



47.1970, 0.2567, 0.3246



47.1970, 0.3101, 0.2819

Complementary

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



47.1970, 0.3720, 0.3804



36.7505, 0.2589, 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.



47.1970, 0.2777, 0.2727



47.1970, 0.3720, 0.3804



47.1970, 0.2482, 0.2950

Square

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



47.1970, 0.3720, 0.3804



47.1970, 0.2798, 0.3578



47.1970, 0.2556, 0.2768



47.1970, 0.3449, 0.3021

Rectangle

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



47.1970, 0.3720, 0.3804



47.1970, 0.3239, 0.3878



47.1970, 0.2556, 0.2768



47.1970, 0.2985, 0.2775

Sweetspot

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



47.1992, 0.3720, 0.3804



92.1823, 0.3287, 0.3441



34.0170, 0.3581, 0.2947



19.5050, 0.3312, 0.3463



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.



47.1992, 0.3720, 0.3804



71.9333, 0.3881, 0.3923



58.1292, 0.3564, 0.4123



12.3210, 0.3275, 0.3430



17.1988, 0.5098, 0.4334



1.0329, 0.4876, 0.4510

Inverse Universe

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



36.7505, 0.2589, 0.2714



52.3303, 0.2459, 0.2556



28.6319, 0.2597, 0.2333



11.5618, 0.2983, 0.3146



6.6086, 0.1685, 0.1267



0.4880, 0.1795, 0.1662

Previews

White Background



This preview shows how the Yxy color 47.1970, 0.3720, 0.3804 looks on a white background.

Color Contrast Check

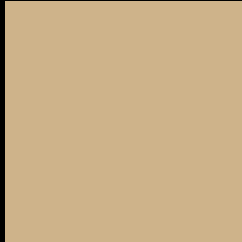
Large Text (above 18pt) WCAG AA × Fail

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 47.1970, 0.3720, 0.3804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

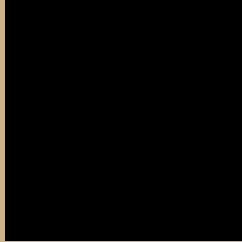
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.1970, 0.3720, 0.3804

Background



This preview shows how black text looks on a background with the Yxy color 47.1970, 0.3720, 0.3804.



This preview shows how white text looks on a background with the Yxy color 47.1970, 0.3720, 0.3804.

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

47.1970, 0.3720, 0.3804

Protanopia

47.3625, 0.3587, 0.3846

Deuteranopia

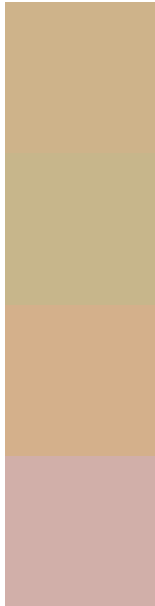
46.9711, 0.3812, 0.3729



Tritanopia

47.2812, 0.3359, 0.3134

Trichromacy



Original Color

47.1970, 0.3720, 0.3804

Protanomaly

47.4621, 0.3635, 0.3839

Deuteranomaly

46.9118, 0.3780, 0.3746

Tritanomaly

47.0798, 0.3487, 0.3365

Monochromacy



Original Color

47.1970, 0.3720, 0.3804

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.8773, 0.3337, 0.3485

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1970, 0.3720, 0.3804 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(206, 179, 138)` looks like.

```
.text, #text, p{  
    color:rgb(206, 179, 138)  
}
```

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(206, 179, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 179, 138) }
```

Border

The CSS property to change the border of an element to Yxy 47.1970, 0.3720, 0.3804 is called "border". The border property can be set on classes, ids or directly on the HTML element.

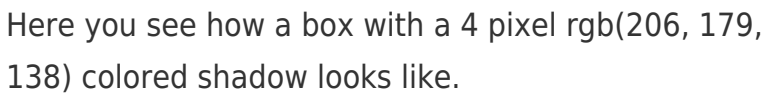
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(206, 179, 138) }
```

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

```
.border{ border-color:rgb(206, 179, 138) }
```

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



Here you see how a box with a 4 pixel `rgb(206, 179, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(206, 179, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(206, 179, 138); box-shadow:4px 4px 4px 4px rgb(206, 179, 138) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1970, 0.3720, 0.3804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 179, 138) }
```

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

```
.background{ background-color: rgb(206,  
179, 138) }
```

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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