

Converting Colors

$Y_{xy}(47.8191, 0.3718, 0.4017)$

Have a look what the booklet for
Yxy(47.8191, 0.3718, 0.4017)
contains.

Yxy(47.8191, 0.3718, 0.4017)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.8191, 0.3718, 0.4017)

Conversions

Conversions Part 1

Format	Color
Hex	C6B87F
RGB	198, 184, 127
RGB Percent	78%, 72%, 50%
CMY	0.2235, 0.2784, 0.5021
CMYK	0.00, 0.07, 0.36, 0.22
HSL	48°, 38%, 64%
HSV	48°, 36%, 78%
XYZ	44.2597, 47.8191, 26.9630
YIQ	181.6880, 26.6410, -14.7590

Conversions

Conversions Part 2

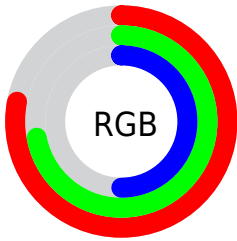
Format	Color
RYB	144, 198, 127
Decimal	13023359
CIELab	74.71, -3.45, 30.80
CIElCh	75, 30.997, 96.381
Yxy	47.8191, 0.3718, 0.4017
Android (android.graphics.Color)	4291213439 (0xFFC6B87F)
YUV	181.6880, -26.9612, 14.3056
Hunter-Lab	69.1514, -6.7674, 25.2880

Details

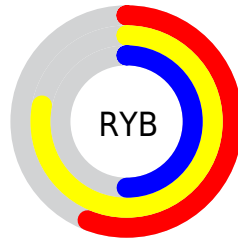
The Yxy color $47.8191, 0.3718, 0.4017$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $27.6272, 0.2511, 0.2437$, and the grayscale version is $46.7392, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.8755, 0.3613, 0.3892$, and $22.6081, 0.3872, 0.4212$ is the 20% darker color. If you saturate the color by 10%, you get $45.7555, 0.3894, 0.4213$, and if you desaturate by 10%, it is $50.0333, 0.3543, 0.3812$.

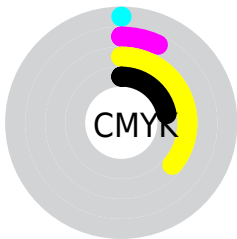
Distribution



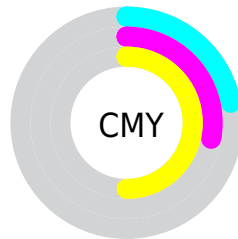
- Red (78%)
- Green (72%)
- Blue (50%)



- Red (56%)
- Yellow (78%)
- Blue (50%)



- Cyan (0%)
- Magenta (7%)
- Yellow (36%)
- Black (22%)





- Cyan (22%)
- Magenta (28%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.8191, 0.3718, 0.4017 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 47.8191, 0.3718, 0.4017 by changing the saturation by 10% instead.


 47.8191, 0.3718,
0.4017


 47.8191, 0.3718,
0.4017


378.0746, 0.3430,
0.3657

 33.6837, 0.3786,
0.4104


 86.9350, 0.3616,
0.3888

 22.6507, 0.3871,
0.4214

 112.6842, 0.3577,
0.3839

 14.3358, 0.3978,
0.4355


 143.0735, 0.3543,
0.3797

 8.3546, 0.4115,
0.4541


178.4873, 0.3514,
0.3761

 4.3227, 0.4292,
0.4793

219.3099, 0.3489,
0.3730

 1.8556, 0.4676,
0.5324

265.9257, 0.3467,

 0.5215, 0.4411,

0.3702

0.5589

318.7192, 0.3447,
0.3678

0.0000, 0.0000,
0.0000

47.8191, 0.3718,
0.4017

47.8191, 0.3718,
0.4017

45.7555, 0.3894,
0.4213

50.0333, 0.3543,
0.3812

43.8296, 0.4066,
0.4390

52.3973, 0.3374,
0.3606

42.0366, 0.4225,
0.4539


54.9187, 0.3215,
0.3404

40.3687, 0.4364,
0.4649

57.6028, 0.3068,
0.3212

38.8170, 0.4478,
0.4715


60.4543, 0.2933,
0.3031


 37.3702, 0.4562,
0.4735

 63.4777, 0.2810,
0.2863

 36.7957, 0.4593,
0.4735

 65.9779, 0.2758,
0.2812

 67.9449, 0.2762,
0.2856

 69.9593, 0.2765,
0.2900

Harmonies

Analogous

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



47.8191, 0.3953, 0.3787



47.8191, 0.3718, 0.4017



47.8191, 0.3332, 0.4050

Triad

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



47.8191, 0.3718, 0.4017



47.8191, 0.2363, 0.3031



47.8191, 0.3311, 0.2823

Complementary

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



47.8191, 0.3718, 0.4017



27.6272, 0.2511, 0.2437

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.



47.8191, 0.2880, 0.2640



47.8191, 0.3718, 0.4017



47.8191, 0.2358, 0.2733

Square

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



47.8191, 0.3718, 0.4017



47.8191, 0.2557, 0.3442



47.8191, 0.2539, 0.2602



47.8191, 0.3715, 0.3114

Rectangle

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



47.8191, 0.3718, 0.4017



47.8191, 0.3046, 0.3933



47.8191, 0.2539, 0.2602



47.8191, 0.3164, 0.2748

Sweetspot

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



47.8213, 0.3718, 0.4017



94.8461, 0.3298, 0.3510



29.1046, 0.3805, 0.3103



20.1703, 0.3320, 0.3538



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.



47.8213, 0.3718, 0.4017



81.8118, 0.3855, 0.4170



51.2350, 0.3477, 0.4232



12.0480, 0.3270, 0.3474



24.0484, 0.4586, 0.4741



1.2320, 0.4490, 0.4817

Inverse Universe

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



27.6272, 0.2511, 0.2437



40.8958, 0.2361, 0.2214



25.5688, 0.2673, 0.2275



10.6204, 0.2983, 0.3099



3.6937, 0.1557, 0.0804



0.2783, 0.1663, 0.1186

Previews

White Background



This preview shows how the Yxy color 47.8191, 0.3718, 0.4017 looks on a white background.

Color Contrast Check

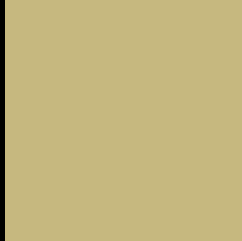
Large Text (above 18pt) WCAG AA × Fail

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 47.8191, 0.3718, 0.4017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

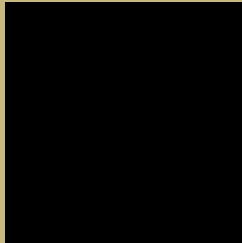
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.8191, 0.3718, 0.4017

Background



This preview shows how black text looks on a background with the Yxy color 47.8191, 0.3718, 0.4017.



This preview shows how white text looks on a background with the Yxy color 47.8191, 0.3718, 0.4017.

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

47.8191, 0.3718, 0.4017

Protanopia

47.9554, 0.3727, 0.4014

Deuteranopia

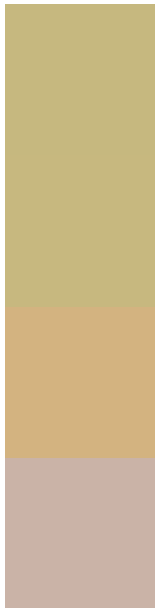
47.6957, 0.3934, 0.3852



Tritanopia

47.7475, 0.3267, 0.3120

Trichromacy



Original Color

47.8191, 0.3718, 0.4017

Protanomaly

47.9554, 0.3727, 0.4014

Deuteranomaly

47.6476, 0.3853, 0.3916

Tritanomaly

47.5868, 0.3432, 0.3441

Monochromacy



Original Color

47.8191, 0.3718, 0.4017

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.1670, 0.3340, 0.3565

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8191, 0.3718, 0.4017 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(198, 184, 127)` looks like.

```
.text, #text, p{  
    color:rgb(198, 184, 127)  
}
```

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(198, 184, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 184, 127) }
```

Border

The CSS property to change the border of an element to Yxy 47.8191, 0.3718, 0.4017 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(198, 184, 127) }
```

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

```
.border{ border-color:rgb(198, 184, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 184, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 184, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 184, 127);  
box-shadow:4px 4px 4px 4px rgb(198, 184,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8191, 0.3718, 0.4017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 184, 127) }
```

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

```
.background{ background-color: rgb(198,  
184, 127) }
```

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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