

Converting Colors

$Y_{xy}(38.5785, 0.3719, 0.4015)$

Have a look what the booklet for
Yxy(38.5785, 0.3719, 0.4015)
contains.

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Color

Yxy(38.5785, 0.3719, 0.4015)

Conversions

Conversions Part 1

Format	Color
Hex	B4A773
RGB	180, 167, 115
RGB Percent	71%, 65%, 45%
CMY	0.2941, 0.3451, 0.5491
CMYK	0.00, 0.07, 0.36, 0.29
HSL	48°, 30%, 58%
HSV	48°, 36%, 71%
XYZ	35.7344, 38.5785, 21.7731
YIQ	164.9590, 24.4400, -13.4160

Conversions

Conversions Part 2

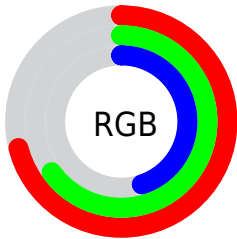
Format	Color
RYB	131, 180, 115
Decimal	11839347
CIELab	68.44, -3.11, 28.64
CIElCh	68, 28.809, 96.207
Yxy	38.5785, 0.3719, 0.4015
Android (android.graphics.Color)	4290029427 (0xFFB4A773)
YUV	164.9590, -24.6298, 13.1910
Hunter-Lab	62.1116, -5.9998, 22.6941

Details

The Yxy color **38.5785, 0.3719, 0.4015** is a light color, and the websafe version is hex **999966**. A complement of this color would be **22.3674, 0.2511, 0.2440**, and the grayscale version is **37.7174, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.0371, 0.3616, 0.3882**, and **17.0904, 0.3887, 0.4227** is the 20% darker color. If you saturate the color by 10%, you get **36.9059, 0.3895, 0.4209**, and if you desaturate by 10%, it is **40.3722, 0.3545, 0.3812**.

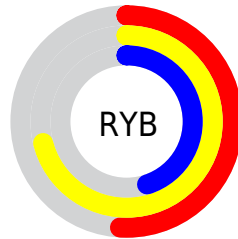
Distribution



Red (71%)

Green (65%)

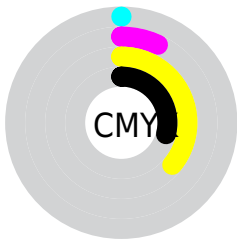
Blue (45%)



Red (51%)

Yellow (71%)

Blue (45%)

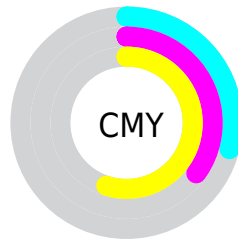


Cyan (0%)

Magenta (7%)

Yellow (36%)

Black (29%)



Cyan (29%)


Magenta (35%)

Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.5785, 0.3719, 0.4015 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 38.5785, 0.3719, 0.4015 by changing the saturation by 10% instead.


 38.5785, 0.3719,
0.4015


 38.5785, 0.3719,
0.4015

340.0951, 0.3419,
0.3643


 26.4320, 0.3793,
0.4109


 72.9940, 0.3610,
0.3878

 17.1471, 0.3887,
0.4230


 96.0317, 0.3569,
0.3827

 10.3394, 0.4008,
0.4389


 123.4686, 0.3535,
0.3784

 5.6246, 0.4165,
0.4603

155.6892, 0.3505,
0.3748

 2.6182, 0.4513,
0.5060

193.0777, 0.3479,
0.3716

 0.9358, 0.4647,
0.5353

236.0186, 0.3457,

 0.0000, 0.0000,

0.3689

0.0000

284.8963, 0.3437,
0.3664

■ 38.5785, 0.3719,
0.4015

■ 38.5785, 0.3719,
0.4015

■ 36.9059, 0.3895,
0.4209

■ 40.3722, 0.3545,
0.3812

■ 35.3441, 0.4066,
0.4385

■ 42.2863, 0.3377,
0.3608

■ 33.8893, 0.4225,
0.4533

■ 44.3270, 0.3219,
0.3408

■ 32.5354, 0.4365,
0.4643

■ 46.4982, 0.3072,
0.3217

■ 31.2752, 0.4480,
0.4709

■ 48.8039, 0.2937,
0.3038

■ 30.0995, 0.4566,
0.4730

■ 51.2477, 0.2814,
0.2871

■ 29.6596, 0.4596,
0.4733

■ 53.8330, 0.2704,
0.2716

■ 56.3049, 0.2626,
0.2614

■ 57.9447, 0.2631,
0.2657

Harmonies

Analogous

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



38.5785, 0.3953, 0.3784



38.5785, 0.3719, 0.4015



38.5785, 0.3334, 0.4050

Triad

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



38.5785, 0.3719, 0.4015



38.5785, 0.2365, 0.3033



38.5785, 0.3309, 0.2822

Complementary

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



38.5785, 0.3719, 0.4015



22.3674, 0.2511, 0.2440

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.



38.5785, 0.2878, 0.2640



38.5785, 0.3719, 0.4015



38.5785, 0.2359, 0.2735

Square

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



38.5785, 0.3719, 0.4015



38.5785, 0.2560, 0.3444



38.5785, 0.2539, 0.2603



38.5785, 0.3712, 0.3112

Rectangle

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



38.5785, 0.3719, 0.4015



38.5785, 0.3048, 0.3933



38.5785, 0.2539, 0.2603



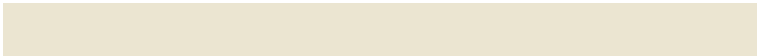
38.5785, 0.3161, 0.2747

Sweetspot

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



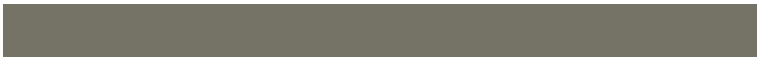
38.5803, 0.3719, 0.4015



78.4716, 0.3297, 0.3508



23.5160, 0.3806, 0.3103



16.8548, 0.3319, 0.3535



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.5803, 0.3719, 0.4015



67.6247, 0.3853, 0.4164



41.4045, 0.3477, 0.4233



9.6124, 0.3268, 0.3471



20.7963, 0.4590, 0.4737



0.7278, 0.4461, 0.4840

Inverse Universe

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



22.3674, 0.2511, 0.2440



34.0923, 0.2365, 0.2224



20.6578, 0.2673, 0.2275



8.4961, 0.2985, 0.3102



3.2578, 0.1560, 0.0816



0.1830, 0.1699, 0.1316

Previews

White Background



This preview shows how the Yxy color 38.5785, 0.3719, 0.4015 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 38.5785, 0.3719, 0.4015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

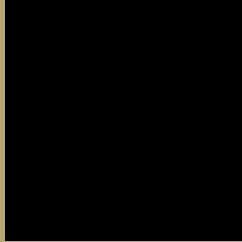
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.5785, 0.3719, 0.4015

Background



This preview shows how black text looks on a background with the Yxy color 38.5785, 0.3719, 0.4015.



This preview shows how white text looks on a background with the Yxy color 38.5785, 0.3719, 0.4015.

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

38.5785, 0.3719, 0.4015

Protanopia

38.5785, 0.3719, 0.4015

Deuteranopia

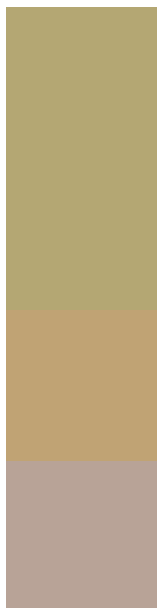
38.5447, 0.3939, 0.3866



Tritanopia

38.5593, 0.3269, 0.3130

Trichromacy



Original Color

38.5785, 0.3719, 0.4015

Protanomaly

38.5785, 0.3719, 0.4015

Deuteranomaly

38.6618, 0.3851, 0.3920

Tritanomaly

38.6191, 0.3440, 0.3455

Monochromacy



Original Color

38.5785, 0.3719, 0.4015

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

37.9251, 0.3333, 0.3562

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5785, 0.3719, 0.4015 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(180, 167, 115)` looks like.

```
.text, #text, p{  
    color:rgb(180, 167, 115)  
}
```

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(180, 167, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 167, 115) }
```

Border

The CSS property to change the border of an element to Yxy 38.5785, 0.3719, 0.4015 is called "border". The border property can be set on classes, ids or directly on the HTML element.

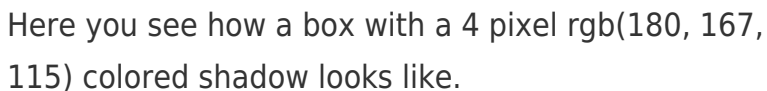
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(180, 167, 115) }
```

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

```
.border{ border-color:rgb(180, 167, 115) }
```

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



Here you see how a box with a 4 pixel `rgb(180, 167, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 167, 115); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 167, 115); box-shadow:4px 4px 4px 4px rgb(180, 167, 115) }
```


Background

The CSS property to change the background color of an element to Yxy 38.5785, 0.3719, 0.4015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 167, 115) }
```

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

```
.background{ background-color: rgb(180,  
167, 115) }
```

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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