

Converting Colors

$Y_{xy}(41.7410, 0.3778, 0.4125)$

Have a look what the booklet for
Yxy(41.7410, 0.3778, 0.4125)
contains.

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Color

Yxy(41.8589, 0.3780, 0.4136)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---|
| Hex | BAAE6F |
| RGB | 186, 174, 111 |
| RGB Percent | 73%, 68%, 44% |
| CMY | 0.2705, 0.3176, 0.5648 |
| CMYK | 0.00, 0.06, 0.40, 0.27 |
| HSL | 50°, 35%, 58% |
| HSV | 50°, 40%, 73% |
| XYZ | 38.2560, 41.8589, 21.0914 |
| YIQ | 170.4060, 27.3750, -17.0490 |

Conversions

Conversions Part 2

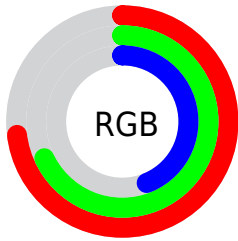
| Format | Color |
|-------------------------------------|---|
| RYB | 125, 186, 111 |
| Decimal | 12234351 |
| CIELab | 70.77, -4.86, 33.89 |
| CIElCh | 71, 34.235, 98.155 |
| Yxy | 41.8589, 0.3780, 0.4136 |
| Android (android.graphics.Color) | 4290424431 (0xFFBAAE6F) |
| YUV | 170.4060, -29.2872, 13.6759 |
| Hunter-Lab | 64.6985, -7.6759, 25.9607 |

Details

The Yxy color **41.8589, 0.3780, 0.4136** is a light color, and the websafe version is hex **999966**. A complement of this color would be **21.0831, 0.2421, 0.2269**, and the grayscale version is **40.5509, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7377, 0.3667, 0.3982**, and **19.0922, 0.3941, 0.4377** is the 20% darker color. If you saturate the color by 10%, you get **40.3553, 0.3946, 0.4331**, and if you desaturate by 10%, it is **43.4772, 0.3611, 0.3927**.

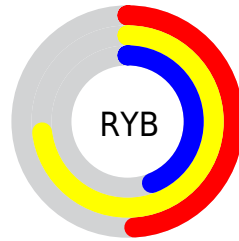
Distribution



Red (73%)

Green (68%)

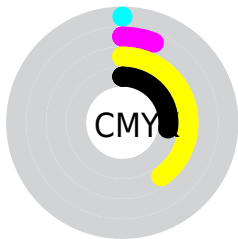
Blue (44%)



Red (49%)

Yellow (73%)

Blue (44%)

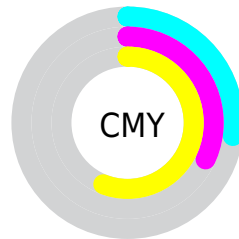


Cyan (0%)

Magenta (6%)

Yellow (40%)

Black (27%)



Cyan (27%)


Magenta (32%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8589, 0.3780, 0.4136 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 41.8589, 0.3780, 0.4136 by changing the saturation by 10% instead.


 41.8589, 0.3780,
0.4136


 41.8589, 0.3780,
0.4136

353.8977, 0.3457,
0.3708


 28.9908, 0.3857,
0.4242


 77.9860, 0.3665,
0.3981


 19.0739, 0.3951,
0.4375


 102.0139, 0.3621,
0.3922

 11.7237, 0.4070,
0.4547


 130.5304, 0.3584,
0.3873

 6.5558, 0.4216,
0.4772

 163.9201, 0.3551,
0.3830

 3.1859, 0.4537,
0.5241

202.5673, 0.3523,
0.3793

 1.2295, 0.4552,
0.5448

246.8563, 0.3499,

 0.0856, 0.0000,

0.3761

1.0000

297.1717, 0.3477,
0.3733

■ 0.0000, 0.0000,
0.0000

■ 41.8589, 0.3780,
0.4136

■ 41.8589, 0.3780,
0.4136

■ 40.3553, 0.3946,
0.4331

■ 43.4772, 0.3611,
0.3927

■ 38.9550, 0.4102,
0.4502

■ 45.2094, 0.3444,
0.3714

■ 37.6540, 0.4240,
0.4640

■ 47.0622, 0.3283,
0.3502

■ 36.4453, 0.4356,
0.4737

■ 49.0398, 0.3132,
0.3297

■ 35.3207, 0.4444,
0.4789

■ 51.1465, 0.2992,
0.3103

■ 34.2991, 0.4507,
0.4803

■ 53.3860, 0.2863,
0.2921

■ 55.7622, 0.2746,
0.2753

■ 57.9670, 0.2668,
0.2645

■ 59.3399, 0.2671,
0.2680

Harmonies

Analogous

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



41.8589, 0.4069, 0.3872



41.8589, 0.3780, 0.4136



41.8589, 0.3328, 0.4169

Triad

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



41.8589, 0.3780, 0.4136



41.8589, 0.2248, 0.2960



41.8589, 0.3367, 0.2774

Complementary

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



41.8589, 0.3780, 0.4136



21.0831, 0.2421, 0.2269

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.



41.8589, 0.2867, 0.2558



41.8589, 0.3780, 0.4136



41.8589, 0.2256, 0.2634

Square

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



41.8589, 0.3780, 0.4136



41.8589, 0.2454, 0.3433



41.8589, 0.2472, 0.2502



41.8589, 0.3830, 0.3106

Rectangle

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



41.8589, 0.3780, 0.4136



41.8589, 0.2999, 0.4023



41.8589, 0.2472, 0.2502



41.8589, 0.3196, 0.2686

Sweetspot

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



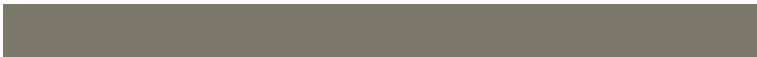
41.8608, 0.3780, 0.4136



84.6495, 0.3312, 0.3541



23.2440, 0.3959, 0.3116



18.5428, 0.3333, 0.3568



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



41.8608, 0.3780, 0.4136



73.5445, 0.3921, 0.4302



43.8476, 0.3491, 0.4358



10.2519, 0.3268, 0.3481



23.1628, 0.4502, 0.4807



0.8829, 0.4410, 0.4880

Inverse Universe

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



21.0831, 0.2421, 0.2269



30.9822, 0.2254, 0.2011



20.1396, 0.2630, 0.2145



8.9455, 0.2984, 0.3092



3.0759, 0.1542, 0.0752



0.1815, 0.1656, 0.1161

Previews

White Background



This preview shows how the Yxy color 41.8589, 0.3780, 0.4136 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 41.8589, 0.3780, 0.4136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

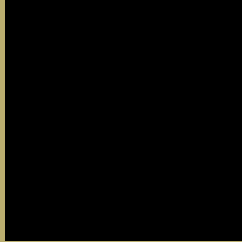
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.8589, 0.3780, 0.4136

Background



This preview shows how black text looks on a background with the Yxy color 41.8589, 0.3780, 0.4136.



This preview shows how white text looks on a background with the Yxy color 41.8589, 0.3780, 0.4136.

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

41.8589, 0.3780, 0.4136

Protanopia

41.8537, 0.3814, 0.4114

Deuteranopia

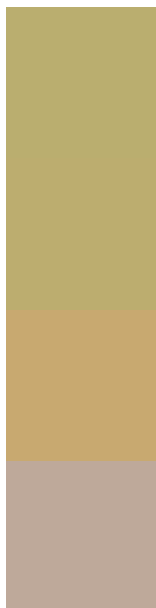
41.8746, 0.4023, 0.3952



Tritanopia

41.8646, 0.3265, 0.3123

Trichromacy



Original Color

41.8589, 0.3780, 0.4136

Protanomaly

41.7262, 0.3804, 0.4117

Deuteranomaly

41.8251, 0.3936, 0.4022

Tritanomaly

41.6562, 0.3457, 0.3490

Monochromacy



Original Color

41.8589, 0.3780, 0.4136

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.5259, 0.3363, 0.3597

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8589, 0.3780, 0.4136 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(186, 174, 111)` looks like.

```
.text, #text, p{  
    color:rgb(186, 174, 111)  
}
```

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(186, 174, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 174, 111) }
```

Border

The CSS property to change the border of an element to Yxy 41.8589, 0.3780, 0.4136 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(186, 174, 111) }
```

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

```
.border{ border-color:rgb(186, 174, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 174, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 174, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 174, 111);  
box-shadow:4px 4px 4px 4px rgb(186, 174,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8589, 0.3780, 0.4136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 174, 111) }
```

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

```
.background{ background-color: rgb(186,  
174, 111) }
```

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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