

Converting Colors

$Y_{xy}(40.9018, 0.3603, 0.4051)$

Have a look what the booklet for
Yxy(40.9018, 0.3603, 0.4051)
contains.

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Color

Yxy(40.8583, 0.3606, 0.4044)

Conversions

Conversions Part 1

Format	Color
Hex	B0AE78
RGB	176, 174, 120
RGB Percent	69%, 68%, 47%
CMY	0.3098, 0.3176, 0.5293
CMYK	0.00, 0.01, 0.32, 0.31
HSL	58°, 26%, 58%
HSV	58°, 32%, 69%
XYZ	36.4330, 40.8583, 23.7431
YIQ	168.4420, 18.5260, -16.3700

Conversions

Conversions Part 2

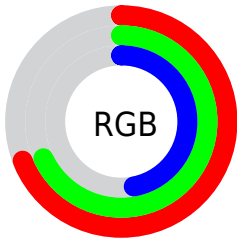
Format	Color
RYB	122, 176, 120
Decimal	11579000
CIELab	70.08, -7.81, 28.03
CIELCh	70, 29.096, 105.574
Yxy	40.8583, 0.3606, 0.4044
Android (android.graphics.Color)	4289769080 (0xFFB0AE78)
YUV	168.4420, -23.8819, 6.6284
Hunter-Lab	63.9205, -10.1206, 22.7213

Details

The Yxy color **40.8583, 0.3606, 0.4044** is a light color, and the websafe version is hex **999966**. A complement of this color would be **21.0565, 0.2575, 0.2405**, and the grayscale version is **39.5017, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2116, 0.3518, 0.3895**, and **18.5850, 0.3736, 0.4268** is the 20% darker color. If you saturate the color by 10%, you get **40.2281, 0.3754, 0.4273**, and if you desaturate by 10%, it is **41.5719, 0.3454, 0.3806**.

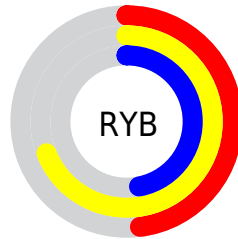
Distribution



Red (69%)

Green (68%)

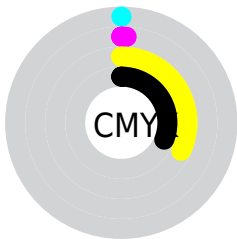
Blue (47%)



Red (48%)

Yellow (69%)

Blue (47%)

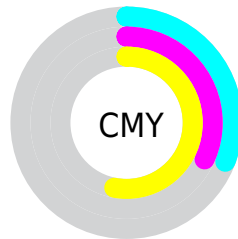


Cyan (0%)

Magenta (1%)

Yellow (32%)

Black (31%)



Cyan (31%)


Magenta (32%)


Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.8583, 0.3606, 0.4044 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 40.8583, 0.3606, 0.4044 by changing the saturation by 10% instead.


 40.8583, 0.3606,
0.4044


 40.8583, 0.3606,
0.4044


349.7280, 0.3368,
0.3655


 28.2084, 0.3663,
0.4143


 76.4687, 0.3521,
0.3901

 18.4828, 0.3735,
0.4271


 100.1981, 0.3488,
0.3847

 11.2972, 0.3826,
0.4442


 128.3893, 0.3461,
0.3803

 6.2671, 0.3942,
0.4678

161.4268, 0.3437,
0.3765

 3.0082, 0.4139,
0.5083

199.6951, 0.3416,
0.3732

 1.1360, 0.4337,
0.5663

243.5784, 0.3398,

 0.0085, 0.0000,

0.3703

1.0000

293.4613, 0.3382,
0.3678

■ 0.0000, 0.0000,
0.0000

■ 40.8583, 0.3606,
0.4044

■ 40.8583, 0.3606,
0.4044

■ 40.2281, 0.3754,
0.4273

■ 41.5719, 0.3454,
0.3806

■ 39.6715, 0.3890,
0.4482

■ 42.3672, 0.3301,
0.3566

■ 39.1856, 0.4011,
0.4664


■ 43.2500, 0.3153,
0.3331

■ 38.7650, 0.4110,
0.4809


■ 44.2237, 0.3012,
0.3107

■ 38.4039, 0.4184,
0.4913


■ 45.2915, 0.2880,
0.2896


 38.0949, 0.4232,
0.4975

 46.4567, 0.2758,
0.2700

 37.8684, 0.4257,
0.5002

 47.7221, 0.2646,
0.2520

 48.7094, 0.2578,
0.2411

 48.9629, 0.2579,
0.2418

Harmonies

Analogous

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



40.8583, 0.3895, 0.3867



40.8583, 0.3606, 0.4044



40.8583, 0.3200, 0.4002

Triad

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



40.8583, 0.3606, 0.4044



40.8583, 0.2349, 0.2928



40.8583, 0.3441, 0.2907

Complementary

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



40.8583, 0.3606, 0.4044



21.0565, 0.2575, 0.2405

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.



40.8583, 0.3008, 0.2688



40.8583, 0.3606, 0.4044



40.8583, 0.2402, 0.2681

Square

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



40.8583, 0.3606, 0.4044



40.8583, 0.2486, 0.3310



40.8583, 0.2634, 0.2603



40.8583, 0.3804, 0.3217

Rectangle

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



40.8583, 0.3606, 0.4044



40.8583, 0.2920, 0.3837



40.8583, 0.2634, 0.2603



40.8583, 0.3298, 0.2821

Sweetspot

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



40.8601, 0.3606, 0.4044



77.0839, 0.3277, 0.3527



24.0956, 0.3803, 0.3250



16.6597, 0.3297, 0.3560



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



40.8601, 0.3606, 0.4044



73.2993, 0.3708, 0.4202



38.9717, 0.3358, 0.4135



9.8534, 0.3264, 0.3507



27.8014, 0.4256, 0.5003



0.8908, 0.4237, 0.5018

Inverse Universe

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



21.0565, 0.2575, 0.2405



31.8393, 0.2435, 0.2178



22.6134, 0.2827, 0.2433



8.2773, 0.2985, 0.3063



2.4189, 0.1508, 0.0628



0.0922, 0.1540, 0.0744

Previews

White Background



This preview shows how the Yxy color 40.8583, 0.3606, 0.4044 looks on a white background.

Color Contrast Check

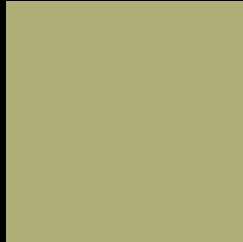
Large Text (above 18pt) WCAG AA × Fail

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 40.8583, 0.3606, 0.4044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

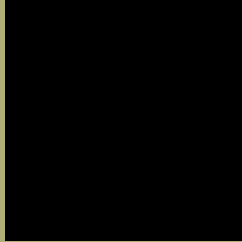
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.8583, 0.3606, 0.4044

Background



This preview shows how black text looks on a background with the Yxy color 40.8583, 0.3606, 0.4044.



This preview shows how white text looks on a background with the Yxy color 40.8583, 0.3606, 0.4044.

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

40.8583, 0.3606, 0.4044

Protanopia

40.7720, 0.3716, 0.3997

Deuteranopia

40.6526, 0.3902, 0.3830



Tritanopia

40.6350, 0.3163, 0.3105

Trichromacy



Original Color

40.8583, 0.3606, 0.4044

Protanomaly

40.7820, 0.3682, 0.4018

Deuteranomaly

40.7232, 0.3791, 0.3914

Tritanomaly

40.5479, 0.3325, 0.3441

Monochromacy



Original Color

40.8583, 0.3606, 0.4044

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.6417, 0.3300, 0.3559

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8583, 0.3606, 0.4044 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(176, 174, 120)` looks like.

```
.text, #text, p{  
    color:rgb(176, 174, 120)  
}
```

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(176, 174, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 174, 120) }
```

Border

The CSS property to change the border of an element to Yxy 40.8583, 0.3606, 0.4044 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(176, 174, 120) }
```

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

```
.border{ border-color:rgb(176, 174, 120) }
```

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

Here you see how a box with a 4 pixel rgb(176, 174, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 174, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 174, 120);  
box-shadow:4px 4px 4px 4px rgb(176, 174,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8583, 0.3606, 0.4044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 174, 120) }
```

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

```
.background{ background-color: rgb(176,  
174, 120) }
```

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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