

Converting Colors

$Y_{xy}(37.7859, 0.4055, 0.4399)$

Have a look what the booklet for
Yxy(37.7859, 0.4055, 0.4399)
contains.

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Color

Yxy(37.6947, 0.4053, 0.4402)

Conversions

Conversions Part 1

Format	Color
Hex	B8A551
RGB	184, 165, 81
RGB Percent	72%, 65%, 32%
CMY	0.2785, 0.3529, 0.6824
CMYK	0.00, 0.10, 0.56, 0.28
HSL	49°, 42%, 52%
HSV	49°, 56%, 72%
XYZ	34.7062, 37.6947, 13.2300
YIQ	161.1050, 38.2880, -22.0960

Conversions

Conversions Part 2

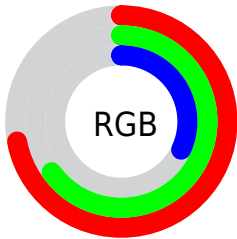
Format	Color
RYB	104, 184, 81
Decimal	12100945
CIELab	67.79, -3.81, 45.41
CIElCh	68, 45.574, 94.794
Yxy	37.6947, 0.4053, 0.4402
Android (android.graphics.Color)	4290291025 (0xFFB8A551)
YUV	161.1050, -39.4918, 20.0789
Hunter-Lab	61.3960, -6.5398, 30.2011

Details

The Yxy color **37.6947, 0.4053, 0.4402** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **14.3205, 0.2124, 0.1832**, and the grayscale version is **35.8662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7571, 0.3892, 0.4203**, and **16.4932, 0.4279, 0.4692** is the 20% darker color. If you saturate the color by 10%, you get **36.2494, 0.4208, 0.4552**, and if you desaturate by 10%, it is **39.2508, 0.3886, 0.4223**.

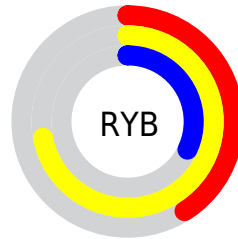
Distribution



Red (72%)

Green (65%)

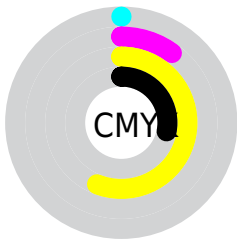
Blue (32%)



Red (41%)

Yellow (72%)

Blue (32%)

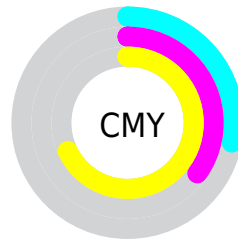


Cyan (0%)

Magenta (10%)

Yellow (56%)

Black (28%)



Cyan (28%)


Magenta (35%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.6947, 0.4053, 0.4402 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 37.6947, 0.4053, 0.4402 by changing the saturation by 10% instead.


 37.6947, 0.4053,
0.4402


 37.6947, 0.4053,
0.4402


336.3085, 0.3599,
0.3845

 25.7458, 0.4155,
0.4533


 71.6400, 0.3894,
0.4204


 16.6336, 0.4276,
0.4691

 94.4051, 0.3832,
0.4128

 9.9736, 0.4414,
0.4880


 121.5445, 0.3779,
0.4063

 5.3815, 0.4641,
0.5190

 153.4425, 0.3733,
0.4007

 2.4728, 0.4675,
0.5325

 190.4835, 0.3693,
0.3958

 0.8630, 0.4573,
0.5427

233.0519, 0.3658,

 0.0000, 0.0000,

0.3916

0.0000

281.5321, 0.3627,
0.3878

■ 37.6947, 0.4053,
0.4402

■ 37.6947, 0.4053,
0.4402

■ 36.2494, 0.4208,
0.4552

■ 39.2508, 0.3886,
0.4223

■ 34.9031, 0.4342,
0.4665

■ 40.9181, 0.3713,
0.4026

■ 33.6502, 0.4451,
0.4734

■ 42.7036, 0.3541,
0.3819

■ 32.4811, 0.4532,
0.4757

■ 44.6121, 0.3374,
0.3611

■ 32.0268, 0.4561,
0.4761

■ 46.6481, 0.3216,
0.3408

■ 48.8159, 0.3070,
0.3213

■ 51.1195, 0.2935,
0.3030

■ 53.5625, 0.2812,
0.2859

■ 56.1487, 0.2701,
0.2702

Harmonies

Analogous

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



37.6947, 0.4432, 0.3985



37.6947, 0.4053, 0.4402



37.6947, 0.3449, 0.4540

Triad

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



37.6947, 0.4053, 0.4402



37.6947, 0.1971, 0.2879



37.6947, 0.3367, 0.2562

Complementary

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



37.6947, 0.4053, 0.4402



14.3205, 0.2124, 0.1832

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.



37.6947, 0.2695, 0.2302



37.6947, 0.4053, 0.4402



37.6947, 0.1956, 0.2428

Square

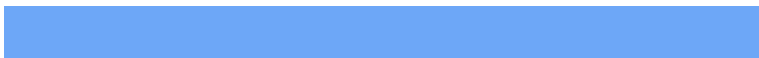
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



37.6947, 0.4053, 0.4402



37.6947, 0.2258, 0.3556



37.6947, 0.2203, 0.2246



37.6947, 0.4034, 0.2975

Rectangle

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



37.6947, 0.4053, 0.4402



37.6947, 0.3005, 0.4382



37.6947, 0.2203, 0.2246



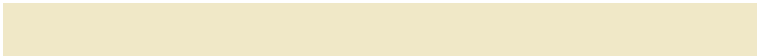
37.6947, 0.3132, 0.2455

Sweetspot

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



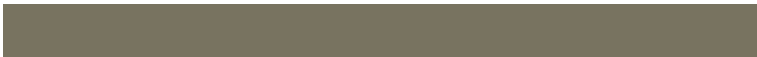
37.6965, 0.4053, 0.4402



80.4135, 0.3395, 0.3638



17.0251, 0.4437, 0.3011



17.1848, 0.3428, 0.3679



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



37.6965, 0.4053, 0.4402



65.1794, 0.4238, 0.4580



41.6537, 0.3628, 0.4756



10.2142, 0.3268, 0.3475



22.1701, 0.4556, 0.4765



0.8556, 0.4447, 0.4851

Inverse Universe

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



14.3205, 0.2124, 0.1832



18.8145, 0.1907, 0.1473



12.7826, 0.2344, 0.1641



8.9802, 0.2984, 0.3098



3.2479, 0.1553, 0.0789



0.1963, 0.1677, 0.1236

Previews

White Background



This preview shows how the Yxy color 37.6947, 0.4053, 0.4402 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 37.6947, 0.4053, 0.4402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

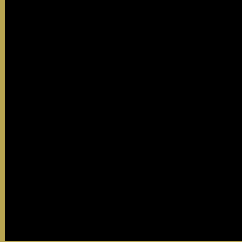
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6947, 0.4053, 0.4402

Background



This preview shows how black text looks on a background with the Yxy color 37.6947, 0.4053, 0.4402.



This preview shows how white text looks on a background with the Yxy color 37.6947, 0.4053, 0.4402.

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

37.6947, 0.4053, 0.4402

Protanopia

37.5716, 0.4043, 0.4407

Deuteranopia

37.4350, 0.4294, 0.4203



Tritanopia

37.4763, 0.3373, 0.3119

Trichromacy



Original Color

37.6947, 0.4053, 0.4402

Protanomaly

37.5716, 0.4043, 0.4407

Deuteranomaly

37.4866, 0.4207, 0.4278

Tritanomaly

37.3927, 0.3647, 0.3605

Monochromacy



Original Color

37.6947, 0.4053, 0.4402

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

35.9416, 0.3470, 0.3729

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6947, 0.4053, 0.4402 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(184, 165, 81)` looks like.

```
.text, #text, p{  
    color:rgb(184, 165, 81)  
}
```

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(184, 165, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 165, 81) }
```

Border

The CSS property to change the border of an element to Yxy 37.6947, 0.4053, 0.4402 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(184, 165, 81) }
```

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

```
.border{ border-color:rgb(184, 165, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 165, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 165, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 165, 81);  
box-shadow:4px 4px 4px 4px rgb(184, 165,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6947, 0.4053, 0.4402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 165, 81) }
```

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

```
.background{ background-color: rgb(184,  
165, 81) }
```

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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