

Converting Colors

$Yxy(40.0135, 0.4069, 0.4427)$

Have a look what the booklet for
Yxy(40.0135, 0.4069, 0.4427)
contains.

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Color

Yxy(40.1623, 0.4067, 0.4433)

Conversions

Conversions Part 1

Format	Color
Hex	BDAA51
RGB	189, 170, 81
RGB Percent	74%, 67%, 32%
CMY	0.2588, 0.3333, 0.6824
CMYK	0.00, 0.10, 0.57, 0.26
HSL	49°, 45%, 53%
HSV	49°, 57%, 74%
XYZ	36.8464, 40.1623, 13.5898
YIQ	165.5350, 39.8930, -23.6510

Conversions

Conversions Part 2

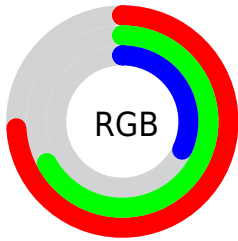
Format	Color
RYB	104, 189, 81
Decimal	12429905
CIELab	69.58, -4.32, 47.61
CIELCh	70, 47.807, 95.189
Yxy	40.1623, 0.4067, 0.4433
Android (android.graphics.Color)	4290619985 (0xFFBDAA51)
YUV	165.5350, -41.6758, 20.5788
Hunter-Lab	63.3737, -7.1216, 31.6476

Details

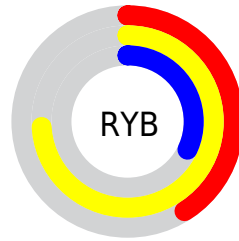
The Yxy color **40.1623, 0.4067, 0.4433** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **14.5329, 0.2097, 0.1778**, and the grayscale version is **38.0876, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3180, 0.3908, 0.4234**, and **18.0371, 0.4282, 0.4713** is the 20% darker color. If you saturate the color by 10%, you get **38.6883, 0.4217, 0.4580**, and if you desaturate by 10%, it is **41.7505, 0.3903, 0.4256**.

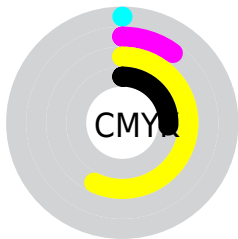
Distribution



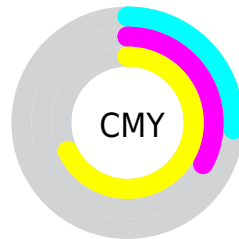
- Red (74%)
- Green (67%)
- Blue (32%)



- Red (41%)
- Yellow (74%)
- Blue (32%)



- Cyan (0%)
- Magenta (10%)
- Yellow (57%)
- Black (26%)





- Cyan (26%)
- Magenta (33%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1623, 0.4067, 0.4433 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 40.1623, 0.4067, 0.4433 by changing the saturation by 10% instead.


 40.1623, 0.4067,
0.4433


 40.1623, 0.4067,
0.4433

346.8072, 0.3613,
0.3867


 27.6651, 0.4167,
0.4563


 75.4106, 0.3910,
0.4233

 18.0734, 0.4283,
0.4720


 98.9305, 0.3848,
0.4156


 11.0027, 0.4414,
0.4905


 126.8934, 0.3795,
0.4090

 6.0686, 0.4611,
0.5186

 159.6837, 0.3749,
0.4033

 2.8869, 0.4659,
0.5341

 197.6859, 0.3709,
0.3984

 1.0730, 0.4574,
0.5426

241.2842, 0.3673,

 0.0000, 0.0000,

0.3940

0.0000

290.8632, 0.3641,
0.3901

■ 40.1623, 0.4067,
0.4433

■ 40.1623, 0.4067,
0.4433

■ 38.6883, 0.4217,
0.4580

■ 41.7505, 0.3903,
0.4256

■ 37.3159, 0.4346,
0.4689

■ 43.4534, 0.3732,
0.4058

■ 36.0389, 0.4448,
0.4753

■ 45.2785, 0.3560,
0.3850

■ 34.8460, 0.4523,
0.4773

■ 47.2310, 0.3393,
0.3640

■ 34.5163, 0.4543,
0.4775

■ 49.3157, 0.3234,
0.3433

■ 51.5370, 0.3086,
0.3235

■ 53.8994, 0.2950,
0.3048

■ 56.4067, 0.2825,
0.2873

■ 59.0628, 0.2712,
0.2713

Harmonies

Analogous

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



40.1623, 0.4462, 0.4005



40.1623, 0.4067, 0.4433



40.1623, 0.3445, 0.4575

Triad

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



40.1623, 0.4067, 0.4433



40.1623, 0.1942, 0.2858



40.1623, 0.3382, 0.2549

Complementary

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



40.1623, 0.4067, 0.4433



14.5329, 0.2097, 0.1778

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.



40.1623, 0.2692, 0.2282



40.1623, 0.4067, 0.4433



40.1623, 0.1930, 0.2402

Square

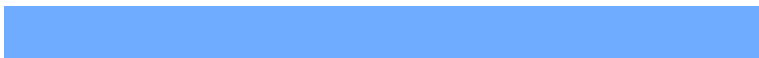
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



40.1623, 0.4067, 0.4433



40.1623, 0.2230, 0.3552



40.1623, 0.2186, 0.2220



40.1623, 0.4067, 0.2973

Rectangle

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



40.1623, 0.4067, 0.4433



40.1623, 0.2991, 0.4410



40.1623, 0.2186, 0.2220



40.1623, 0.3141, 0.2440

Sweetspot

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



40.1642, 0.4067, 0.4433



84.5439, 0.3395, 0.3642



17.6363, 0.4515, 0.3031



18.0262, 0.3428, 0.3684



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.



40.1642, 0.4067, 0.4433



68.5436, 0.4257, 0.4617



43.9395, 0.3620, 0.4796



10.8272, 0.3268, 0.3478



23.3223, 0.4537, 0.4779



0.9897, 0.4442, 0.4855

Inverse Universe

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



14.5329, 0.2097, 0.1778



18.3376, 0.1868, 0.1396



13.2133, 0.2341, 0.1609



9.4895, 0.2984, 0.3095



3.2935, 0.1548, 0.0774



0.2137, 0.1662, 0.1182

Previews

White Background



This preview shows how the Yxy color 40.1623, 0.4067, 0.4433 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 40.1623, 0.4067, 0.4433 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 40.1623, 0.4067, 0.4433

Background



This preview shows how black text looks on a background with the Yxy color 40.1623, 0.4067, 0.4433.



This preview shows how white text looks on a background with the Yxy color 40.1623, 0.4067, 0.4433.

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

40.1623, 0.4067, 0.4433

Protanopia

40.0349, 0.4057, 0.4438

Deuteranopia

40.0205, 0.4312, 0.4232



Tritanopia

40.0291, 0.3366, 0.3123

Trichromacy



Original Color

40.1623, 0.4067, 0.4433

Protanomaly

40.0349, 0.4057, 0.4438

Deuteranomaly

40.0760, 0.4227, 0.4307

Tritanomaly

39.9137, 0.3641, 0.3610

Monochromacy



Original Color

40.1623, 0.4067, 0.4433

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.3854, 0.3478, 0.3745

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1623, 0.4067, 0.4433 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(189, 170, 81)` looks like.

```
.text, #text, p{  
    color:rgb(189, 170, 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(189, 170, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 170, 81) }
```

Border

The CSS property to change the border of an element to Yxy 40.1623, 0.4067, 0.4433 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(189, 170, 81) }
```

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

```
.border{ border-color:rgb(189, 170, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 170, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 170, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 170, 81);  
box-shadow:4px 4px 4px 4px rgb(189, 170,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1623, 0.4067, 0.4433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 170, 81) }
```

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

```
.background{ background-color: rgb(189,  
170, 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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