

Converting Colors

$Y_{xy}(40.6499, 0.3879, 0.4210)$

Have a look what the booklet for
Yxy(40.6499, 0.3879, 0.4210)
contains.

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Color

Yxy(40.6499, 0.3879, 0.4210)

Conversions

Conversions Part 1

Format	Color
Hex	BBAB66
RGB	187, 171, 102
RGB Percent	73%, 67%, 40%
CMY	0.2667, 0.3294, 0.5999
CMYK	0.00, 0.09, 0.45, 0.27
HSL	49°, 38%, 57%
HSV	49°, 45%, 73%
XYZ	37.4539, 40.6499, 18.4518
YIQ	167.9180, 31.6850, -18.0670

Conversions

Conversions Part 2

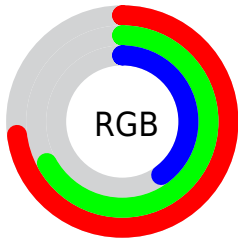
Format	Color
RYB	122, 187, 102
Decimal	12299110
CIELab	69.93, -3.82, 37.48
CIElCh	70, 37.672, 95.817
Yxy	40.6499, 0.3879, 0.4210
Android (android.graphics.Color)	4290489190 (0xFFBBAB66)
YUV	167.9180, -32.4976, 16.7349
Hunter-Lab	63.7573, -6.7162, 27.4712

Details

The Yxy color **40.6499, 0.3879, 0.4210** is a light color, and the websafe version is hex **999966**. A complement of this color would be **19.3755, 0.2327, 0.2154**, and the grayscale version is **39.2681, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1383, 0.3753, 0.4042**, and **18.3562, 0.4073, 0.4462** is the 20% darker color. If you saturate the color by 10%, you get **39.0101, 0.4048, 0.4390**, and if you desaturate by 10%, it is **42.4125, 0.3705, 0.4012**.

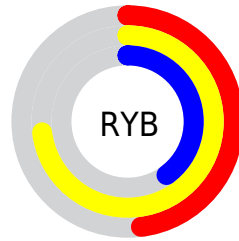
Distribution



Red (73%)

Green (67%)

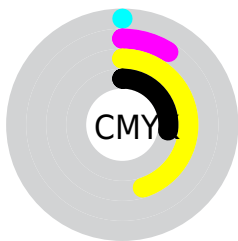
Blue (40%)



Red (48%)

Yellow (73%)

Blue (40%)

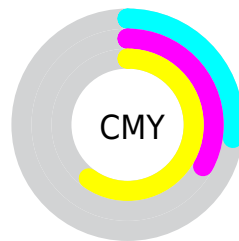


Cyan (0%)

Magenta (9%)

Yellow (45%)

Black (27%)



Cyan (27%)


Magenta (33%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6499, 0.3879, 0.4210 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 40.6499, 0.3879, 0.4210 by changing the saturation by 10% instead.


 40.6499, 0.3879,
0.4210


 40.6499, 0.3879,
0.4210


348.8552, 0.3507,
0.3746


 28.0456, 0.3966,
0.4323


 76.1521, 0.3747,
0.4043

 18.3601, 0.4073,
0.4463


 99.8189, 0.3696,
0.3980

 11.2088, 0.4205,
0.4641


 127.9420, 0.3653,
0.3926

 6.2075, 0.4361,
0.4865

 160.9057, 0.3616,
0.3880

 2.9716, 0.4686,
0.5314

199.0945, 0.3583,
0.3840

 1.1169, 0.4613,
0.5387

242.8927, 0.3555,

 0.0000, 0.0000,

0.3805

0.0000

292.6849, 0.3530,
0.3774

■ 40.6499, 0.3879,
0.4210

■ 40.6499, 0.3879,
0.4210

■ 39.0101, 0.4048,
0.4390

■ 42.4125, 0.3705,
0.4012

■ 37.4816, 0.4205,
0.4541

■ 44.2977, 0.3532,
0.3806

■ 36.0595, 0.4342,
0.4655

■ 46.3124, 0.3366,
0.3599

■ 34.7360, 0.4454,
0.4726

■ 48.4612, 0.3208,
0.3396

■ 33.5019, 0.4537,
0.4750

■ 50.7487, 0.3062,
0.3203

■ 32.9587, 0.4570,
0.4753

■ 53.1788, 0.2927,
0.3021

■ 55.7556, 0.2805,
0.2852

■ 58.4828, 0.2695,
0.2696

■ 60.3372, 0.2679,
0.2703

Harmonies

Analogous

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



40.6499, 0.4184, 0.3895



40.6499, 0.3879, 0.4210



40.6499, 0.3386, 0.4282

Triad

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



40.6499, 0.3879, 0.4210



40.6499, 0.2169, 0.2954



40.6499, 0.3347, 0.2698

Complementary

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



40.6499, 0.3879, 0.4210



19.3755, 0.2327, 0.2154

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.



40.6499, 0.2797, 0.2474



40.6499, 0.3879, 0.4210



40.6499, 0.2160, 0.2582

Square

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



40.6499, 0.3879, 0.4210



40.6499, 0.2409, 0.3490



40.6499, 0.2378, 0.2426



40.6499, 0.3874, 0.3053

Rectangle

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



40.6499, 0.3879, 0.4210



40.6499, 0.3022, 0.4139



40.6499, 0.2378, 0.2426



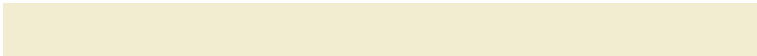
40.6499, 0.3157, 0.2607

Sweetspot

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



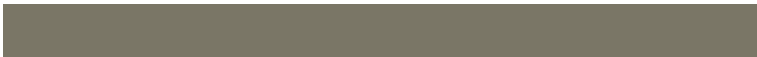
40.6518, 0.3879, 0.4210



83.4081, 0.3346, 0.3574



21.4059, 0.4078, 0.3055



18.1896, 0.3381, 0.3619



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.



40.6518, 0.3879, 0.4210



69.7473, 0.4055, 0.4397



44.1249, 0.3556, 0.4487



10.8071, 0.3269, 0.3475



22.8113, 0.4565, 0.4758



0.9737, 0.4461, 0.4840

Inverse Universe

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



19.3755, 0.2327, 0.2154



26.7493, 0.2126, 0.1840



17.6497, 0.2522, 0.1974



9.5081, 0.2984, 0.3098



3.3876, 0.1554, 0.0793



0.2218, 0.1672, 0.1217

Previews

White Background



This preview shows how the Yxy color 40.6499, 0.3879, 0.4210 looks on a white background.

Color Contrast Check

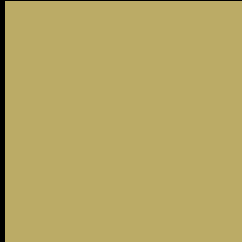
Large Text (above 18pt) WCAG AA × Fail

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 40.6499, 0.3879, 0.4210 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 40.6499, 0.3879, 0.4210

Background



This preview shows how black text looks on a background with the Yxy color 40.6499, 0.3879, 0.4210.



This preview shows how white text looks on a background with the Yxy color 40.6499, 0.3879, 0.4210.

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

40.6499, 0.3879, 0.4210

Protanopia

40.6499, 0.3879, 0.4210

Deuteranopia

40.4593, 0.4112, 0.4025



Tritanopia

40.4051, 0.3316, 0.3122

Trichromacy



Original Color

40.6499, 0.3879, 0.4210

Protanomaly

40.6499, 0.3879, 0.4210

Deuteranomaly

40.5311, 0.4031, 0.4095

Tritanomaly

40.1248, 0.3532, 0.3518

Monochromacy



Original Color

40.6499, 0.3879, 0.4210

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.5035, 0.3402, 0.3642

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6499, 0.3879, 0.4210 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(187, 171, 102)` looks like.

```
.text, #text, p{  
    color:rgb(187, 171, 102)  
}
```

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(187, 171, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 171, 102) }
```

Border

The CSS property to change the border of an element to Yxy 40.6499, 0.3879, 0.4210 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(187, 171, 102) }
```

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

```
.border{ border-color:rgb(187, 171, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 171, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 171, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 171, 102);  
box-shadow:4px 4px 4px 4px rgb(187, 171,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6499, 0.3879, 0.4210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 171, 102) }
```

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

```
.background{ background-color: rgb(187,  
171, 102) }
```

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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