

Converting Colors

$Y_{xy}(39.7254, 0.3705, 0.4085)$

Have a look what the booklet for
Yxy(39.7254, 0.3705, 0.4085)
contains.

Yxy(39.9018, 0.3708, 0.4094)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.9018, 0.3708, 0.4094)

Conversions

Conversions Part 1

Format	Color
Hex	B3AB71
RGB	179, 171, 113
RGB Percent	70%, 67%, 44%
CMY	0.2979, 0.3294, 0.5568
CMYK	0.00, 0.04, 0.37, 0.30
HSL	53°, 30%, 57%
HSV	53°, 37%, 70%
XYZ	36.1397, 39.9018, 21.4226
YIQ	166.7800, 23.3860, -16.3420

Conversions

Conversions Part 2

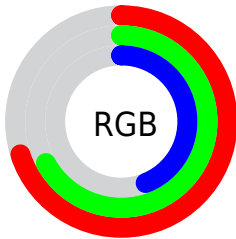
Format	Color
RYB	122, 179, 113
Decimal	11774833
CIELab	69.40, -5.87, 30.92
CIELCh	69, 31.470, 100.752
Yxy	39.9018, 0.3708, 0.4094
Android (android.graphics.Color)	4289964913 (0xFFB3AB71)
YUV	166.7800, -26.5135, 10.7169
Hunter-Lab	63.1679, -8.4201, 24.1100

Details

The Yxy color **39.9018, 0.3708, 0.4094** is a light color, and the websafe version is hex **999966**. A complement of this color would be **20.4537, 0.2485, 0.2332**, and the grayscale version is **38.6569, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.9422, 0.3610, 0.3945**, and **17.9238, 0.3862, 0.4332** is the 20% darker color. If you saturate the color by 10%, you get **38.7228, 0.3868, 0.4301**, and if you desaturate by 10%, it is **41.1776, 0.3545, 0.3876**.

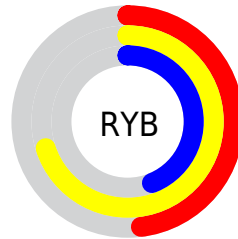
Distribution



Red (70%)

Green (67%)

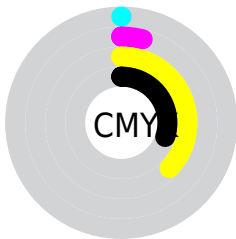
Blue (44%)



Red (48%)

Yellow (70%)

Blue (44%)

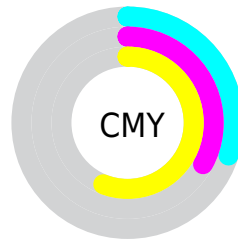


Cyan (0%)

Magenta (4%)

Yellow (37%)

Black (30%)



Cyan (30%)


Magenta (33%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9018, 0.3708, 0.4094 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 39.9018, 0.3708, 0.4094 by changing the saturation by 10% instead.


 39.9018, 0.3708,
0.4094


 39.9018, 0.3708,
0.4094


345.7095, 0.3418,
0.3681


 27.4620, 0.3778,
0.4198


 75.0140, 0.3604,
0.3943


 17.9205, 0.3865,
0.4332


 98.4551, 0.3564,
0.3886

 10.8929, 0.3975,
0.4507


 126.3321, 0.3531,
0.3839

 5.9949, 0.4114,
0.4742

 159.0294, 0.3502,
0.3798

 2.8420, 0.4430,
0.5243

196.9314, 0.3477,
0.3763

 1.0498, 0.4462,
0.5538

240.4225, 0.3455,

 0.0000, 0.0000,

0.3732

0.0000

289.8871, 0.3435,
0.3705

■ 39.9018, 0.3708,
0.4094

■ 39.9018, 0.3708,
0.4094

■ 38.7228, 0.3868,
0.4301

■ 41.1776, 0.3545,
0.3876

■ 37.6303, 0.4018,
0.4487

■ 42.5491, 0.3384,
0.3654

■ 36.6209, 0.4151,
0.4642

■ 44.0221, 0.3229,
0.3436

■ 35.6887, 0.4263,
0.4758

■ 45.6005, 0.3082,
0.3226

■ 34.8268, 0.4349,
0.4832

■ 47.2879, 0.2946,
0.3027

■ 34.0256, 0.4408,
0.4863

■ 49.0877, 0.2821,
0.2842

■ 33.7819, 0.4424,
0.4869

■ 51.0031, 0.2707,
0.2671

■ 52.9574, 0.2610,
0.2526

■ 53.8983, 0.2613,
0.2552

Harmonies

Analogous

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



39.9018, 0.3994, 0.3866



39.9018, 0.3708, 0.4094



39.9018, 0.3278, 0.4097

Triad

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



39.9018, 0.3708, 0.4094



39.9018, 0.2294, 0.2951



39.9018, 0.3393, 0.2829

Complementary

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



39.9018, 0.3708, 0.4094



20.4537, 0.2485, 0.2332

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.



39.9018, 0.2923, 0.2613



39.9018, 0.3708, 0.4094



39.9018, 0.2319, 0.2658

Square

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



39.9018, 0.3708, 0.4094



39.9018, 0.2472, 0.3384



39.9018, 0.2539, 0.2547



39.9018, 0.3814, 0.3150

Rectangle

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



39.9018, 0.3708, 0.4094



39.9018, 0.2971, 0.3944



39.9018, 0.2539, 0.2547



39.9018, 0.3235, 0.2743

Sweetspot

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



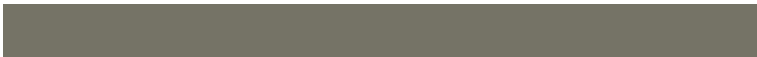
39.9036, 0.3708, 0.4094



77.6529, 0.3295, 0.3529



22.8007, 0.3885, 0.3163



17.1260, 0.3316, 0.3558



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



39.9036, 0.3708, 0.4094



69.7623, 0.3834, 0.4258



40.3962, 0.3442, 0.4266



9.7266, 0.3266, 0.3488



23.9265, 0.4421, 0.4872



0.8022, 0.4349, 0.4929

Inverse Universe

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



20.4537, 0.2485, 0.2332



30.0290, 0.2327, 0.2086



20.4055, 0.2707, 0.2264



8.3913, 0.2985, 0.3084



2.7530, 0.1529, 0.0704



0.1397, 0.1628, 0.1060

Previews

White Background



This preview shows how the Yxy color 39.9018, 0.3708, 0.4094 looks on a white background.

Color Contrast Check

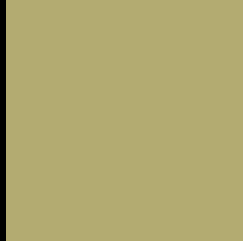
Large Text (above 18pt) WCAG AA × Fail

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 39.9018, 0.3708, 0.4094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

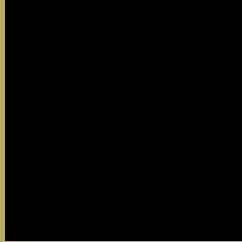
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.9018, 0.3708, 0.4094

Background



This preview shows how black text looks on a background with the Yxy color 39.9018, 0.3708, 0.4094.



This preview shows how white text looks on a background with the Yxy color 39.9018, 0.3708, 0.4094.

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

39.9018, 0.3708, 0.4094

Protanopia

39.7361, 0.3776, 0.4068

Deuteranopia

39.7750, 0.3978, 0.3893



Tritanopia

39.7681, 0.3229, 0.3118

Trichromacy



Original Color

39.9018, 0.3708, 0.4094

Protanomaly

39.8644, 0.3751, 0.4087

Deuteranomaly

39.5945, 0.3880, 0.3965

Tritanomaly

39.6396, 0.3405, 0.3468

Monochromacy



Original Color

39.9018, 0.3708, 0.4094

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

38.7698, 0.3339, 0.3589

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9018, 0.3708, 0.4094 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(179, 171, 113)` looks like.

```
.text, #text, p{  
    color:rgb(179, 171, 113)  
}
```

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(179, 171, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 171, 113) }
```

Border

The CSS property to change the border of an element to Yxy 39.9018, 0.3708, 0.4094 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(179, 171, 113) }
```

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

```
.border{ border-color:rgb(179, 171, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 171, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 171, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 171, 113);  
box-shadow:4px 4px 4px 4px rgb(179, 171,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9018, 0.3708, 0.4094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 171, 113) }
```

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

```
.background{ background-color: rgb(179,  
171, 113) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor