

Converting Colors

$Yxy(39.8395, 0.2968, 0.4001)$

Have a look what the booklet for
Yxy(39.8395, 0.2968, 0.4001)
contains.

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Color

Yxy(39.8395, 0.2968, 0.4001)

Conversions

Conversions Part 1

Format	Color
Hex	7AB78A
RGB	122, 183, 138
RGB Percent	48%, 72%, 54%
CMY	0.5213, 0.2824, 0.4588
CMYK	0.33, 0.00, 0.25, 0.28
HSL	136°, 30%, 60%
HSV	136°, 33%, 72%
XYZ	29.5535, 39.8395, 30.1808
YIQ	159.6310, -21.9110, -26.9270

Conversions

Conversions Part 2

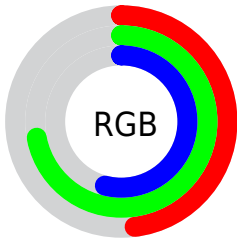
Format	Color
RYB	122, 170, 183
Decimal	8042378
CIELab	69.36, -29.17, 16.76
CIElCh	69, 33.647, 150.122
Yxy	39.8395, 0.2968, 0.4001
Android (android.graphics.Color)	4286232458 (0xFF7AB78A)
YUV	159.6310, -10.6641, -33.0024
Hunter-Lab	63.1185, -26.8797, 15.8328

Details

The Yxy color **39.8395, 0.2968, 0.4001** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **26.7912, 0.3339, 0.2672**, and the grayscale version is **35.0392, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.7689, 0.3000, 0.3848**, and **17.9719, 0.2901, 0.4249** is the 20% darker color. If you saturate the color by 10%, you get **38.2607, 0.2927, 0.4262**, and if you desaturate by 10%, it is **41.7219, 0.3014, 0.3760**.

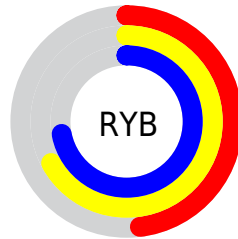
Distribution



Red (48%)

Green (72%)

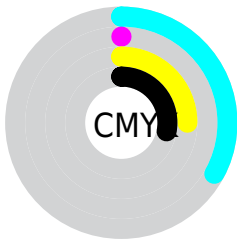
Blue (54%)



Red (48%)

Yellow (67%)

Blue (72%)

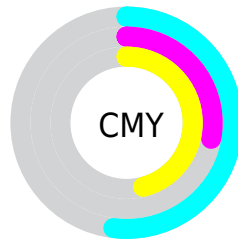


Cyan (33%)

Magenta (0%)

Yellow (25%)

Black (28%)



Cyan (52%)


Magenta (28%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.8395, 0.2968, 0.4001 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 39.8395, 0.2968, 0.4001 by changing the saturation by 10% instead.

 39.8395, 0.2968,
0.4001


 39.8395, 0.2968,
0.4001

345.4466, 0.3058,
0.3620


 27.4134, 0.2942,
0.4105


 74.9190, 0.3003,
0.3856

 17.8840, 0.2906,
0.4244


 98.3413, 0.3016,
0.3804

 10.8667, 0.2853,
0.4439


 126.1978, 0.3026,
0.3760

 5.9773, 0.2770,
0.4732

158.8728, 0.3034,
0.3724

 2.8313, 0.2620,
0.5215

196.7508, 0.3042,
0.3692

 1.0443, 0.2067,
0.7933

240.2162, 0.3048,

 0.0000, 0.0000,

0.3665

0.0000

289.6533, 0.3053,
0.3641

■ 39.8395, 0.2968,
0.4001

■ 39.8395, 0.2968,
0.4001

■ 38.2607, 0.2927,
0.4262

■ 41.7219, 0.3014,
0.3760

■ 36.9645, 0.2895,
0.4536

■ 43.9175, 0.3062,
0.3543

■ 35.9352, 0.2873,
0.4817


■ 46.4419, 0.3111,
0.3349


■ 35.1533, 0.2865,
0.5090


■ 49.3079, 0.3160,
0.3178


■ 34.5967, 0.2872,
0.5341

■ 52.5277, 0.3206,
0.3028

 34.2391, 0.2894,
0.5558

 56.1130, 0.3251,
0.2898

 34.0767, 0.2911,
0.5681

 60.0749, 0.3293,
0.2784

 61.7826, 0.3227,
0.2665

 62.3440, 0.3160,
0.2585

Harmonies

Analogous

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



39.8395, 0.3457, 0.4188



39.8395, 0.2968, 0.4001



39.8395, 0.2543, 0.3567

Triad

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



39.8395, 0.2968, 0.4001



39.8395, 0.2395, 0.2519



39.8395, 0.4049, 0.3390

Complementary

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



39.8395, 0.2968, 0.4001



26.7912, 0.3339, 0.2672

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.



39.8395, 0.3719, 0.3009



39.8395, 0.2968, 0.4001



39.8395, 0.2747, 0.2526

Square

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



39.8395, 0.2968, 0.4001



39.8395, 0.2234, 0.2703



39.8395, 0.3230, 0.2703



39.8395, 0.4103, 0.3777

Rectangle

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



39.8395, 0.2968, 0.4001



39.8395, 0.2348, 0.3234



39.8395, 0.3230, 0.2703



39.8395, 0.3966, 0.3259

Sweetspot

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



39.8412, 0.2968, 0.4001



80.0150, 0.3077, 0.3480



43.5690, 0.3480, 0.4148



17.5377, 0.3070, 0.3508



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.



39.8412, 0.2968, 0.4001



69.2264, 0.2938, 0.4191



40.8240, 0.2761, 0.3521



10.0977, 0.3081, 0.3463



23.7844, 0.2906, 0.5661



0.8490, 0.2757, 0.5126

Inverse Universe

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



26.7912, 0.3339, 0.2672



42.2321, 0.3400, 0.2536



25.8142, 0.3695, 0.3074



9.1215, 0.3176, 0.3123



8.2569, 0.3993, 0.1973



0.3006, 0.3750, 0.1839

Previews

White Background



This preview shows how the Yxy color 39.8395, 0.2968, 0.4001 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 39.8395, 0.2968, 0.4001 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 39.8395, 0.2968, 0.4001

Background



This preview shows how black text looks on a background with the Yxy color 39.8395, 0.2968, 0.4001.



This preview shows how white text looks on a background with the Yxy color 39.8395, 0.2968, 0.4001.

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

39.8395, 0.2968, 0.4001

Protanopia

39.3473, 0.3571, 0.3806

Deuteranopia

39.2630, 0.3629, 0.3557



Tritanopia

39.7549, 0.2678, 0.3086

Trichromacy



Original Color

39.8395, 0.2968, 0.4001

Protanomaly

38.9793, 0.3327, 0.3866

Deuteranomaly

38.9974, 0.3359, 0.3707

Tritanomaly

39.8476, 0.2783, 0.3409

Monochromacy



Original Color

39.8395, 0.2968, 0.4001

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.3833, 0.3061, 0.3533

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8395, 0.2968, 0.4001 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(122, 183, 138)` looks like.

```
.text, #text, p{  
    color:rgb(122, 183, 138)  
}
```

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(122, 183, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 183, 138) }
```

Border

The CSS property to change the border of an element to Yxy 39.8395, 0.2968, 0.4001 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(122, 183, 138) }
```

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

```
.border{ border-color:rgb(122, 183, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 183, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 183, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 183, 138); box-shadow:4px 4px 4px 4px rgb(122, 183, 138) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8395, 0.2968, 0.4001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 183, 138) }
```

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

```
.background{ background-color: rgb(122,  
183, 138) }
```

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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