

Converting Colors

$Yxy(39.7378, 0.2839, 0.3886)$

Have a look what the booklet for
Yxy(39.7378, 0.2839, 0.3886)
contains.

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Color

Yxy(39.8010, 0.2840, 0.3896)

Conversions

Conversions Part 1

Format	Color
Hex	70B892
RGB	112, 184, 146
RGB Percent	44%, 72%, 57%
CMY	0.5607, 0.2784, 0.4275
CMYK	0.39, 0.00, 0.21, 0.28
HSL	148°, 34%, 58%
HSV	148°, 39%, 72%
XYZ	29.0130, 39.8010, 33.3446
YIQ	158.1400, -30.7140, -27.0820

Conversions

Conversions Part 2

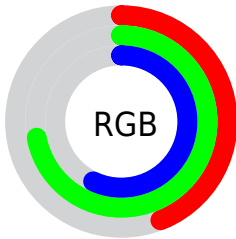
Format	Color
RYB	112, 161, 184
Decimal	7387282
CIELab	69.33, -31.13, 12.31
CIElCh	69, 33.478, 158.430
Yxy	39.8010, 0.2840, 0.3896
Android (android.graphics.Color)	4285577362 (0xFF70B892)
YUV	158.1400, -5.9850, -40.4648
Hunter-Lab	63.0880, -28.3151, 12.8245

Details

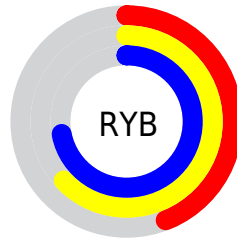
The Yxy color **39.8010, 0.2840, 0.3896** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **23.9882, 0.3575, 0.2760**, and the grayscale version is **34.3003, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.5973, 0.2896, 0.3769**, and **17.7213, 0.2744, 0.4103** is the 20% darker color. If you saturate the color by 10%, you get **38.4264, 0.2784, 0.4086**, and if you desaturate by 10%, it is **41.4512, 0.2906, 0.3719**.

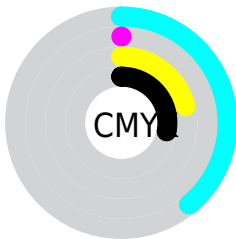
Distribution



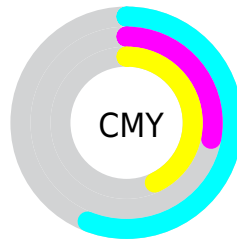
- Red (44%)
- Green (72%)
- Blue (57%)



- Red (44%)
- Yellow (63%)
- Blue (72%)



- Cyan (39%)
- Magenta (0%)
- Yellow (21%)
- Black (28%)





- Cyan (56%)
- Magenta (28%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.8010, 0.2840, 0.3896 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 39.8010, 0.2840, 0.3896 by changing the saturation by 10% instead.

 39.8010, 0.2840,
0.3896


 39.8010, 0.2840,
0.3896


345.2841, 0.2993,
0.3573


 27.3834, 0.2798,
0.3984


 74.8604, 0.2898,
0.3773


 17.8614, 0.2743,
0.4101


 98.2710, 0.2919,
0.3729

 10.8505, 0.2665,
0.4266


 126.1147, 0.2937,
0.3692

 5.9664, 0.2548,
0.4513

 158.7760, 0.2951,
0.3661

 2.8247, 0.2355,
0.4922

196.6391, 0.2964,
0.3634

 1.0409, 0.1451,
0.6820

240.0886, 0.2975,

 0.0000, 0.0000,

0.3611

0.0000

289.5088, 0.2985,
0.3591

■ 39.8010, 0.2840,
0.3896

■ 39.8010, 0.2840,
0.3896

■ 38.4264, 0.2784,
0.4086

■ 41.4512, 0.2906,
0.3719

■ 37.3068, 0.2741,
0.4286

■ 43.3865, 0.2979,
0.3557

■ 36.4264, 0.2715,
0.4492


■ 45.6221, 0.3056,
0.3410


■ 35.7653, 0.2708,
0.4697

■ 48.1704, 0.3134,
0.3279

■ 35.3006, 0.2719,
0.4896

■ 51.0433, 0.3213,
0.3163


 34.9909, 0.2748,
0.5084

 54.2519, 0.3290,
0.3060

 34.9663, 0.2750,
0.5100

 57.8070, 0.3365,
0.2970

 60.9077, 0.3403,
0.2887

 61.4493, 0.3325,
0.2793

Harmonies

Analogous

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



39.8010, 0.3322, 0.4163



39.8010, 0.2840, 0.3896



39.8010, 0.2455, 0.3427

Triad

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



39.8010, 0.2840, 0.3896



39.8010, 0.2478, 0.2506



39.8010, 0.4089, 0.3499

Complementary

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



39.8010, 0.2840, 0.3896



23.9882, 0.3575, 0.2760

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.



39.8010, 0.3830, 0.3111



39.8010, 0.2840, 0.3896



39.8010, 0.2873, 0.2563

Square

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



39.8010, 0.2840, 0.3896



39.8010, 0.2261, 0.2635



39.8010, 0.3370, 0.2779



39.8010, 0.4062, 0.3872

Rectangle

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



39.8010, 0.2840, 0.3896



39.8010, 0.2296, 0.3103



39.8010, 0.3370, 0.2779



39.8010, 0.4033, 0.3368

Sweetspot

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



39.8026, 0.2840, 0.3896



81.3927, 0.3031, 0.3454



41.9746, 0.3394, 0.4354



17.4321, 0.3022, 0.3472



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.



39.8026, 0.2840, 0.3896



69.9627, 0.2791, 0.4060



41.0884, 0.2608, 0.3325



10.1288, 0.3054, 0.3413



24.1127, 0.2744, 0.5078



0.8626, 0.2606, 0.4582

Inverse Universe

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



23.9882, 0.3575, 0.2760



37.2300, 0.3719, 0.2645



23.0098, 0.4054, 0.3258



9.0893, 0.3208, 0.3170



7.6344, 0.4814, 0.2426



0.2815, 0.4294, 0.2139

Previews

White Background



This preview shows how the Yxy color 39.8010, 0.2840, 0.3896 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 39.8010, 0.2840, 0.3896 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 39.8010, 0.2840, 0.3896

Background



This preview shows how black text looks on a background with the Yxy color 39.8010, 0.2840, 0.3896.



This preview shows how white text looks on a background with the Yxy color 39.8010, 0.2840, 0.3896.

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

39.8010, 0.2840, 0.3896

Protanopia

39.3052, 0.3488, 0.3710

Deuteranopia

39.1514, 0.3512, 0.3438



Tritanopia

39.8575, 0.2600, 0.3084

Trichromacy



Original Color

39.8010, 0.2840, 0.3896

Protanomaly

39.0652, 0.3220, 0.3781

Deuteranomaly

38.6008, 0.3232, 0.3596

Tritanomaly

39.6596, 0.2687, 0.3365

Monochromacy



Original Color

39.8010, 0.2840, 0.3896

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.6332, 0.3000, 0.3490

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8010, 0.2840, 0.3896 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(112, 184, 146)` looks like.

```
.text, #text, p{  
    color:rgb(112, 184, 146)  
}
```

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(112, 184, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 184, 146) }
```

Border

The CSS property to change the border of an element to Yxy 39.8010, 0.2840, 0.3896 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(112, 184, 146) }
```

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

```
.border{ border-color:rgb(112, 184, 146) }
```

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

Here you see how a box with a 4 pixel rgb(112, 184, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 184, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 184, 146);  
box-shadow:4px 4px 4px 4px rgb(112, 184,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8010, 0.2840, 0.3896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 184, 146) }
```

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

```
.background{ background-color: rgb(112,  
184, 146) }
```

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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