

Converting Colors

$Yxy(39.6369, 0.2800, 0.3829)$

Have a look what the booklet for
Yxy(39.6369, 0.2800, 0.3829)
contains.

Yxy(39.7980, 0.2799, 0.3831)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.7980, 0.2799, 0.3831)

Conversions

Conversions Part 1

Format	Color
Hex	6EB896
RGB	110, 184, 150
RGB Percent	43%, 72%, 59%
CMY	0.5686, 0.2784, 0.4117
CMYK	0.40, 0.00, 0.18, 0.28
HSL	152°, 34%, 58%
HSV	152°, 40%, 72%
XYZ	29.0772, 39.7980, 35.0089
YIQ	157.9980, -33.1900, -26.2620

Conversions

Conversions Part 2

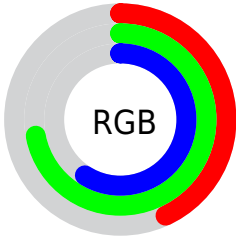
Format	Color
RYB	110, 158, 184
Decimal	7256214
CIELab	69.33, -30.88, 10.10
CIELCh	69, 32.486, 161.891
Yxy	39.7980, 0.2799, 0.3831
Android (android.graphics.Color)	4285446294 (0xFF6EB896)
YUV	157.9980, -3.9430, -42.0942
Hunter-Lab	63.0857, -28.1265, 11.2574

Details

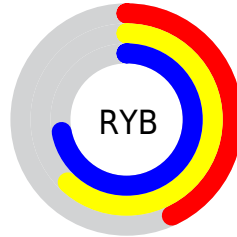
The Yxy color **39.7980, 0.2799, 0.3831** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **23.3572, 0.3659, 0.2813**, and the grayscale version is **34.2222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.5723, 0.2862, 0.3720**, and **17.7360, 0.2694, 0.4007** is the 20% darker color. If you saturate the color by 10%, you get **38.4767, 0.2738, 0.3996**, and if you desaturate by 10%, it is **41.3872, 0.2871, 0.3677**.

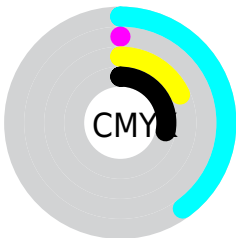
Distribution



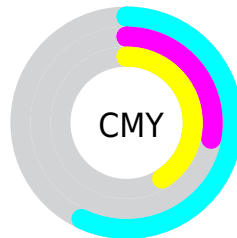
- Red (43%)
- Green (72%)
- Blue (59%)



- Red (43%)
- Yellow (62%)
- Blue (72%)



- Cyan (40%)
- Magenta (0%)
- Yellow (18%)
- Black (28%)





- Cyan (57%)
- Magenta (28%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.7980, 0.2799, 0.3831 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 39.7980, 0.2799, 0.3831 by changing the saturation by 10% instead.


 39.7980, 0.2799,
0.3831


 39.7980, 0.2799,
0.3831


345.2714, 0.2972,
0.3544

 27.3811, 0.2753,
0.3909


 74.8558, 0.2864,
0.3722

 17.8596, 0.2692,
0.4012


 98.2655, 0.2888,
0.3683

 10.8493, 0.2607,
0.4157


 126.1082, 0.2908,
0.3650

 5.9656, 0.2481,
0.4374

 158.7684, 0.2924,
0.3622

 2.8242, 0.2278,
0.4731

196.6304, 0.2939,
0.3598

 1.0406, 0.1349,
0.6171

240.0787, 0.2951,

 0.0000, 0.0000,

0.3578

0.0000

289.4975, 0.2962,
0.3560

■ 39.7980, 0.2799,
0.3831

■ 39.7980, 0.2799,
0.3831

■ 38.4767, 0.2738,
0.3996

■ 41.3872, 0.2871,
0.3677

■ 37.4028, 0.2691,
0.4169

■ 43.2539, 0.2952,
0.3536

■ 36.5605, 0.2661,
0.4347


■ 45.4129, 0.3037,
0.3408


■ 35.9300, 0.2651,
0.4526


■ 47.8768, 0.3125,
0.3292

■ 35.4880, 0.2661,
0.4701

■ 50.6571, 0.3214,
0.3190

 35.1920, 0.2685,
0.4867

 53.7651, 0.3302,
0.3099

 57.2111, 0.3388,
0.3019

 60.5842, 0.3453,
0.2947

 61.0370, 0.3384,
0.2864

Harmonies

Analogous

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



39.7980, 0.3263, 0.4120



39.7980, 0.2799, 0.3831



39.7980, 0.2441, 0.3368

Triad

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



39.7980, 0.2799, 0.3831



39.7980, 0.2533, 0.2524



39.7980, 0.4072, 0.3539

Complementary

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



39.7980, 0.2799, 0.3831



23.3572, 0.3659, 0.2813

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.



39.7980, 0.3850, 0.3159



39.7980, 0.2799, 0.3831



39.7980, 0.2934, 0.2599

Square

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



39.7980, 0.2799, 0.3831



39.7980, 0.2299, 0.2630



39.7980, 0.3420, 0.2825



39.7980, 0.4015, 0.3894

Rectangle

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



39.7980, 0.2799, 0.3831



39.7980, 0.2302, 0.3060



39.7980, 0.3420, 0.2825



39.7980, 0.4028, 0.3412

Sweetspot

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



39.7996, 0.2799, 0.3831



81.5010, 0.3020, 0.3432



41.3855, 0.3356, 0.4402



17.4577, 0.3009, 0.3448



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.



39.7996, 0.2799, 0.3831



70.0585, 0.2746, 0.3972



40.0420, 0.2575, 0.3251



10.1391, 0.3045, 0.3397



24.2679, 0.2680, 0.4847



0.8678, 0.2557, 0.4403

Inverse Universe

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



23.3572, 0.3659, 0.2813



36.2440, 0.3828, 0.2715



23.0094, 0.4112, 0.3328



9.0790, 0.3218, 0.3185



7.4838, 0.5102, 0.2584



0.2763, 0.4491, 0.2247

Previews

White Background



This preview shows how the Yxy color 39.7980, 0.2799, 0.3831 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 39.7980, 0.2799, 0.3831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

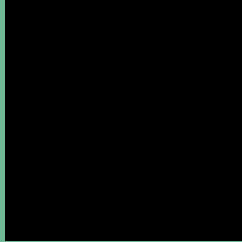
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.7980, 0.2799, 0.3831

Background



This preview shows how black text looks on a background with the Yxy color 39.7980, 0.2799, 0.3831.



This preview shows how white text looks on a background with the Yxy color 39.7980, 0.2799, 0.3831.

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

39.7980, 0.2799, 0.3831

Protanopia

39.3054, 0.3442, 0.3655

Deuteranopia

39.1544, 0.3464, 0.3385



Tritanopia

39.6396, 0.2580, 0.3083

Trichromacy



Original Color

39.7980, 0.2799, 0.3831

Protanomaly

39.0887, 0.3178, 0.3721

Deuteranomaly

38.6264, 0.3189, 0.3537

Tritanomaly

39.5298, 0.2654, 0.3334

Monochromacy



Original Color

39.7980, 0.2799, 0.3831

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.6667, 0.2992, 0.3474

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7980, 0.2799, 0.3831 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(110, 184, 150)` looks like.

```
.text, #text, p{  
    color:rgb(110, 184, 150)  
}
```

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(110, 184, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 184, 150) }
```

Border

The CSS property to change the border of an element to Yxy 39.7980, 0.2799, 0.3831 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(110, 184, 150) }
```

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

```
.border{ border-color:rgb(110, 184, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 184, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 184, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 184, 150);  
box-shadow:4px 4px 4px 4px rgb(110, 184,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 39.7980, 0.2799, 0.3831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 184, 150) }
```

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

```
.background{ background-color: rgb(110,  
184, 150) }
```

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