

Converting Colors

Yxy(39.8853, 0.2853, 0.4003)

Have a look what the booklet for
Yxy(39.8853, 0.2853, 0.4003)
contains.

Yxy(39.8722, 0.2854, 0.3998)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.8722, 0.2854, 0.3998)

Conversions

Conversions Part 1

Format	Color
Hex	6DB98D
RGB	109, 185, 141
RGB Percent	43%, 73%, 55%
CMY	0.5726, 0.2745, 0.4471
CMYK	0.41, 0.00, 0.24, 0.27
HSL	145°, 35%, 58%
HSV	145°, 41%, 73%
XYZ	28.4630, 39.8722, 31.3951
YIQ	157.2600, -31.1720, -29.7960

Conversions

Conversions Part 2

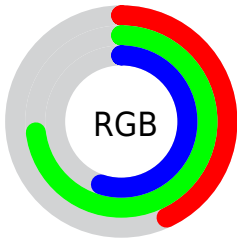
Format	Color
RYB	109, 162, 185
Decimal	7190925
CIELab	69.38, -33.49, 15.08
CIElCh	69, 36.730, 155.768
Yxy	39.8722, 0.2854, 0.3998
Android (android.graphics.Color)	4285381005 (0xFF6DB98D)
YUV	157.2600, -8.0162, -42.3240
Hunter-Lab	63.1444, -30.0419, 14.7224

Details

The Yxy color **39.8722, 0.2854, 0.3998** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **23.5517, 0.3556, 0.2682**, and the grayscale version is **33.8879, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.7432, 0.2912, 0.3844**, and **17.8287, 0.2758, 0.4226** is the 20% darker color. If you saturate the color by 10%, you get **38.5178, 0.2805, 0.4210**, and if you desaturate by 10%, it is **41.5076, 0.2913, 0.3799**.

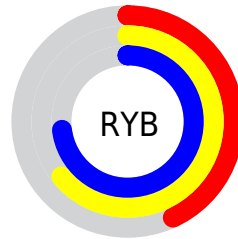
Distribution



Red (43%)

Green (73%)

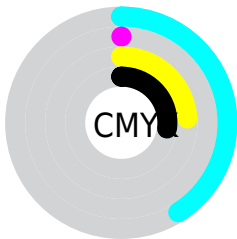
Blue (55%)



Red (43%)

Yellow (64%)

Blue (73%)

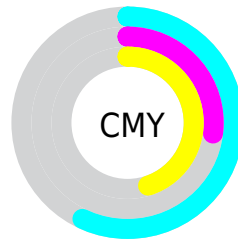


Cyan (41%)

Magenta (0%)

Yellow (24%)

Black (27%)



Cyan (57%)


Magenta (27%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.8722, 0.2854, 0.3998 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 39.8722, 0.2854, 0.3998 by changing the saturation by 10% instead.


 39.8722, 0.2854,
0.3998


 39.8722, 0.2854,
0.3998


345.5846, 0.3002,
0.3618


 27.4389, 0.2813,
0.4102


 74.9689, 0.2911,
0.3854

 17.9031, 0.2758,
0.4241


 98.4010, 0.2931,
0.3801

 10.8805, 0.2679,
0.4436


 126.2683, 0.2948,
0.3758

 5.9865, 0.2559,
0.4730

 158.9550, 0.2962,
0.3721

 2.8369, 0.2357,
0.5218

196.8456, 0.2974,
0.3690

 1.0472, 0.1309,
0.8100

240.3245, 0.2985,

 0.0000, 0.0000,

0.3663

0.0000

289.7760, 0.2994,
0.3639

■ 39.8722, 0.2854,
0.3998

■ 39.8722, 0.2854,
0.3998

■ 38.5178, 0.2805,
0.4210

■ 41.5076, 0.2913,
0.3799

■ 37.4231, 0.2770,
0.4432

■ 43.4342, 0.2978,
0.3617

■ 36.5713, 0.2751,
0.4658


■ 45.6677, 0.3048,
0.3452


■ 35.9417, 0.2750,
0.4879


■ 48.2210, 0.3119,
0.3305


■ 35.5096, 0.2768,
0.5090

■ 51.1066, 0.3191,
0.3174

 35.2482, 0.2795,
0.5263

 54.3360, 0.3261,
0.3059

 57.9203, 0.3329,
0.2958

 61.4883, 0.3377,
0.2868

 62.0973, 0.3293,
0.2765

Harmonies

Analogous

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



39.8722, 0.3383, 0.4263



39.8722, 0.2854, 0.3998



39.8722, 0.2422, 0.3488

Triad

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



39.8722, 0.2854, 0.3998



39.8722, 0.2390, 0.2441



39.8722, 0.4170, 0.3473

Complementary

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



39.8722, 0.2854, 0.3998



23.5517, 0.3556, 0.2682

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.



39.8722, 0.3859, 0.3057



39.8722, 0.2854, 0.3998



39.8722, 0.2803, 0.2488

Square

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



39.8722, 0.2854, 0.3998



39.8722, 0.2176, 0.2596



39.8722, 0.3342, 0.2708



39.8722, 0.4165, 0.3885

Rectangle

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



39.8722, 0.2854, 0.3998



39.8722, 0.2239, 0.3125



39.8722, 0.3342, 0.2708



39.8722, 0.4099, 0.3331

Sweetspot

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



39.8738, 0.2854, 0.3998



81.3134, 0.3040, 0.3470



42.6086, 0.3439, 0.4399



17.4134, 0.3031, 0.3490



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.



39.8738, 0.2854, 0.3998



69.2664, 0.2811, 0.4182



41.1921, 0.2610, 0.3385



10.1212, 0.3060, 0.3425



24.0136, 0.2789, 0.5239



0.8590, 0.2642, 0.4712

Inverse Universe

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



23.5517, 0.3556, 0.2682



36.1811, 0.3687, 0.2558



22.4972, 0.4070, 0.3203



9.0970, 0.3200, 0.3158



7.7622, 0.4604, 0.2310



0.2857, 0.4154, 0.2062

Previews

White Background



This preview shows how the Yxy color 39.8722, 0.2854, 0.3998 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 39.8722, 0.2854, 0.3998 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 39.8722, 0.2854, 0.3998

Background



This preview shows how black text looks on a background with the Yxy color 39.8722, 0.2854, 0.3998.



This preview shows how white text looks on a background with the Yxy color 39.8722, 0.2854, 0.3998.

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

39.8722, 0.2854, 0.3998

Protanopia

39.2824, 0.3543, 0.3779

Deuteranopia

39.2534, 0.3580, 0.3504



Tritanopia

39.7115, 0.2587, 0.3083

Trichromacy



Original Color

39.8722, 0.2854, 0.3998



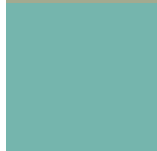
Protanomaly

38.9197, 0.3261, 0.3857



Deuteranomaly

38.4444, 0.3275, 0.3670



Tritanomaly

39.8468, 0.2688, 0.3411

Monochromacy



Original Color

39.8722, 0.2854, 0.3998



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

35.4472, 0.3016, 0.3538

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8722, 0.2854, 0.3998 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(109, 185, 141)` looks like.

```
.text, #text, p{  
    color:rgb(109, 185, 141)  
}
```

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(109, 185, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 185, 141) }
```

Border

The CSS property to change the border of an element to Yxy 39.8722, 0.2854, 0.3998 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(109, 185, 141) }
```

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

```
.border{ border-color:rgb(109, 185, 141) }
```

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

Here you see how a box with a 4 pixel rgb(109, 185, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 185, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 185, 141);  
box-shadow:4px 4px 4px 4px rgb(109, 185,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8722, 0.2854, 0.3998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 185, 141) }
```

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

```
.background{ background-color: rgb(109,  
185, 141) }
```

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