

Converting Colors

$Y_{xy}(39.2852, 0.2794, 0.3441)$

Have a look what the booklet for
Yxy(39.2852, 0.2794, 0.3441)
contains.

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Color

Yxy(39.2571, 0.2795, 0.3441)

Conversions

Conversions Part 1

Format	Color
Hex	80B2A8
RGB	128, 178, 168
RGB Percent	50%, 70%, 66%
CMY	0.4981, 0.3019, 0.3412
CMYK	0.28, 0.00, 0.06, 0.30
HSL	168°, 25%, 60%
HSV	168°, 28%, 70%
XYZ	31.8871, 39.2571, 42.9421
YIQ	161.9100, -26.5900, -13.7100

Conversions

Conversions Part 2

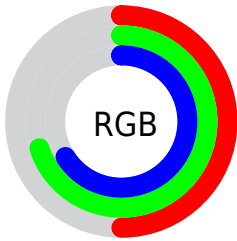
Format	Color
RYB	128, 156, 178
Decimal	8434344
CIELab	68.94, -18.68, -0.23
CIElCh	69, 18.684, 180.692
Yxy	39.2571, 0.2795, 0.3441
Android (android.graphics.Color)	4286624424 (0xFF80B2A8)
YUV	161.9100, 3.0024, -29.7391
Hunter-Lab	62.6555, -18.8035, 3.2234

Details

The Yxy color **39.2571, 0.2795, 0.3441** is a light color, and the websafe version is hex **669999**. A complement of this color would be **26.7320, 0.3608, 0.3146**, and the grayscale version is **36.0802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.1184, 0.2859, 0.3416**, and **17.5060, 0.2696, 0.3484** is the 20% darker color. If you saturate the color by 10%, you get **37.8667, 0.2694, 0.3503**, and if you desaturate by 10%, it is **40.8965, 0.2907, 0.3383**.

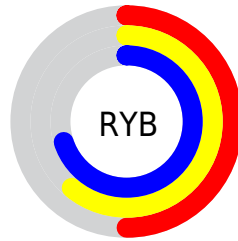
Distribution



Red (50%)

Green (70%)

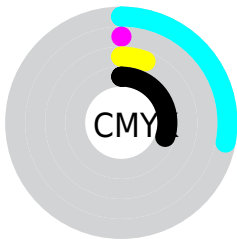
Blue (66%)



Red (50%)

Yellow (61%)

Blue (70%)

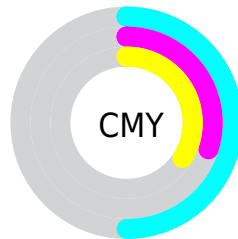


Cyan (28%)

Magenta (0%)

Yellow (6%)

Black (30%)



Cyan (50%)


Magenta (30%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.2571, 0.2795, 0.3441 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 39.2571, 0.2795, 0.3441 by changing the saturation by 10% instead.


 39.2571, 0.2795,
0.3441


 39.2571, 0.2795,
0.3441


342.9823, 0.2965,
0.3364


 26.9598, 0.2751,
0.3461


 74.0309, 0.2858,
0.3413

 17.5430, 0.2694,
0.3487


 97.2762, 0.2881,
0.3402

 10.6224, 0.2616,
0.3522


 124.9396, 0.2901,
0.3393

 5.8135, 0.2504,
0.3572

157.4056, 0.2918,
0.3385

 2.7320, 0.2331,
0.3650

195.0584, 0.2932,
0.3379

 0.9935, 0.1880,
0.3856

238.2826, 0.2945,

 0.0000, 0.0000,

0.3373

0.0000

287.4624, 0.2956,
0.3368

■ 39.2571, 0.2795,
0.3441

■ 39.2571, 0.2795,
0.3441

■ 37.8667, 0.2694,
0.3503

■ 40.8965, 0.2907,
0.3383

■ 36.7078, 0.2606,
0.3569

■ 42.7917, 0.3026,
0.3330

■ 35.7682, 0.2533,
0.3639

■ 44.9555, 0.3151,
0.3281

■ 35.0325, 0.2479,
0.3710

■ 47.3982, 0.3278,
0.3238

■ 34.4835, 0.2443,
0.3782

■ 50.1296, 0.3406,
0.3199

■ 34.1008, 0.2427,
0.3854

■ 53.1590, 0.3532,
0.3165

■ 33.8516, 0.2427,
0.3926

■ 56.4952, 0.3656,
0.3135

■ 33.8095, 0.2428,
0.3939

■ 57.1121, 0.3645,
0.3099

■ 57.2767, 0.3614,
0.3062

Harmonies

Analogous

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



39.2571, 0.3041, 0.3668



39.2571, 0.2795, 0.3441



39.2571, 0.2640, 0.3178

Triad

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



39.2571, 0.2795, 0.3441



39.2571, 0.2921, 0.2845



39.2571, 0.3671, 0.3587

Complementary

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



39.2571, 0.2795, 0.3441



26.7320, 0.3608, 0.3146

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.



39.2571, 0.3639, 0.3366



39.2571, 0.2795, 0.3441



39.2571, 0.3196, 0.2951

Square

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



39.2571, 0.2795, 0.3441



39.2571, 0.2710, 0.2846



39.2571, 0.3462, 0.3137



39.2571, 0.3551, 0.3743

Rectangle

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



39.2571, 0.2795, 0.3441



39.2571, 0.2606, 0.3025



39.2571, 0.3462, 0.3137



39.2571, 0.3678, 0.3518

Sweetspot

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



39.2587, 0.2795, 0.3441



77.5805, 0.3026, 0.3330



38.8752, 0.3183, 0.4066



17.0672, 0.3008, 0.3338



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.



39.2587, 0.2795, 0.3441



69.5003, 0.2728, 0.3481



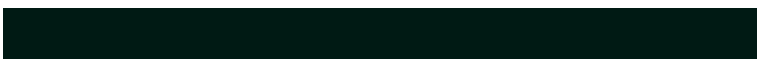
34.2928, 0.2704, 0.3072



9.6018, 0.3012, 0.3336



24.1974, 0.2425, 0.3931



0.7688, 0.2370, 0.3731

Inverse Universe

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



26.7320, 0.3608, 0.3146



42.8589, 0.3765, 0.3111



30.4147, 0.3674, 0.3497



8.5321, 0.3257, 0.3245



6.8692, 0.6043, 0.3103



0.2243, 0.5304, 0.2695

Previews

White Background



This preview shows how the Yxy color 39.2571, 0.2795, 0.3441 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 39.2571, 0.2795, 0.3441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

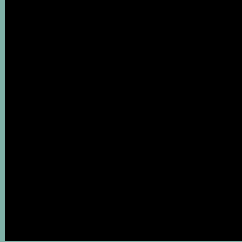
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.2571, 0.2795, 0.3441

Background



This preview shows how black text looks on a background with the Yxy color 39.2571, 0.2795, 0.3441.

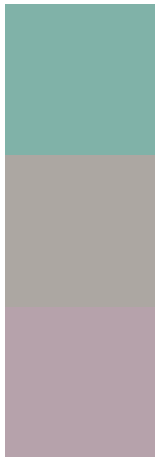


This preview shows how white text looks on a background with the Yxy color 39.2571, 0.2795, 0.3441.

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

39.2571, 0.2795, 0.3441

Protanopia

39.0167, 0.3217, 0.3360

Deuteranopia

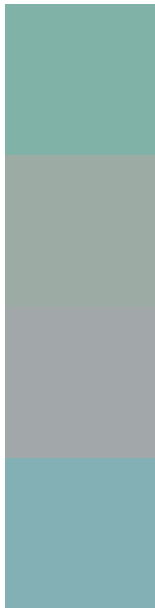
38.7260, 0.3237, 0.3169



Tritanopia

39.2396, 0.2675, 0.3085

Trichromacy



Original Color

39.2571, 0.2795, 0.3441

Protanomaly

38.8741, 0.3051, 0.3391

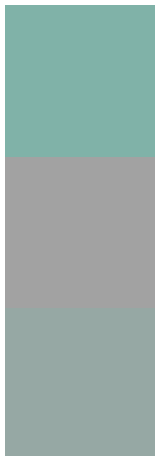
Deuteranomaly

38.5889, 0.3056, 0.3261

Tritanomaly

39.2122, 0.2724, 0.3215

Monochromacy



Original Color

39.2571, 0.2795, 0.3441

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.1696, 0.2998, 0.3349

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.2571, 0.2795, 0.3441 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(128, 178, 168)` looks like.

```
.text, #text, p{  
    color:rgb(128, 178, 168)  
}
```

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(128, 178, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 178, 168) }
```

Border

The CSS property to change the border of an element to Yxy 39.2571, 0.2795, 0.3441 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(128, 178, 168) }
```

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

```
.border{ border-color:rgb(128, 178, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 178, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 178, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 178, 168);  
box-shadow:4px 4px 4px 4px rgb(128, 178,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 39.2571, 0.2795, 0.3441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 178, 168) }
```

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

```
.background{ background-color: rgb(128,  
178, 168) }
```

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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