

Converting Colors

$Yxy(43.0052, 0.2769, 0.3395)$

Have a look what the booklet for
Yxy(43.0052, 0.2769, 0.3395)
contains.

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Color

Yxy(42.8988, 0.2771, 0.3391)

Conversions

Conversions Part 1

Format	Color
Hex	85B9B2
RGB	133, 185, 178
RGB Percent	52%, 73%, 70%
CMY	0.4785, 0.2745, 0.3019
CMYK	0.28, 0.00, 0.04, 0.27
HSL	172°, 27%, 62%
HSV	172°, 28%, 73%
XYZ	35.0553, 42.8988, 48.5537
YIQ	168.6540, -28.7450, -13.2010

Conversions

Conversions Part 2

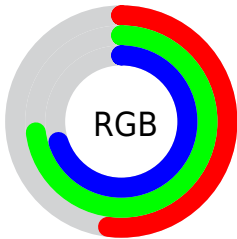
Format	Color
R_{YB}	133, 161, 185
Decimal	8763826
CIE _{Lab}	71.49, -18.52, -1.96
CIE _{LCh}	71, 18.628, 186.038
Yxy	42.8988, 0.2771, 0.3391
Android (android.graphics.Color)	4286953906 (0xFF85B9B2)
YUV	168.6540, 4.6076, -31.2686
Hunter-Lab	65.4972, -19.0835, 1.8958

Details

The Yxy color **42.8988, 0.2771, 0.3391** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **28.9777, 0.3650, 0.3193**, and the grayscale version is **39.4827, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4159, 0.2832, 0.3367**, and **19.7325, 0.2670, 0.3433** is the 20% darker color. If you saturate the color by 10%, you get **41.4261, 0.2663, 0.3432**, and if you desaturate by 10%, it is **44.6420, 0.2890, 0.3352**.

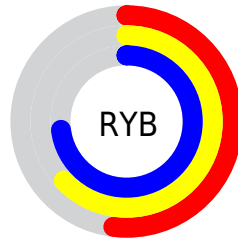
Distribution



Red (52%)

Green (73%)

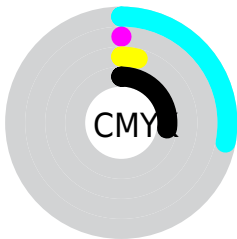
Blue (70%)



Red (52%)

Yellow (63%)

Blue (73%)

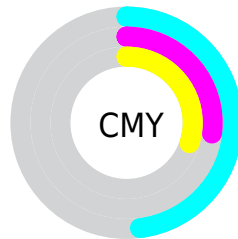


Cyan (28%)

Magenta (0%)

Yellow (4%)

Black (27%)



Cyan (48%)


Magenta (27%)


Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.8988, 0.2771, 0.3391 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 42.8988, 0.2771, 0.3391 by changing the saturation by 10% instead.


 42.8988, 0.2771,
0.3391

 42.8988, 0.2771,
0.3391


358.1954, 0.2951,
0.3341


 29.8057, 0.2726,
0.3403


 79.5581, 0.2837,
0.3373

 19.6912, 0.2667,
0.3419


 103.8932, 0.2861,
0.3366

 12.1708, 0.2589,
0.3439


 132.7443, 0.2882,
0.3360

 6.8601, 0.2479,
0.3467

166.4959, 0.2899,
0.3356

 3.3747, 0.2314,
0.3508

205.5325, 0.2915,
0.3351

 1.3304, 0.2032,
0.3574

250.2383, 0.2928,

 0.1645, 0.0000,

0.3347

0.3423

300.9978, 0.2940,
0.3344

0.0000, 0.0000,
0.0000

42.8988, 0.2771,
0.3391

42.8988, 0.2771,
0.3391

41.4261, 0.2663,
0.3432

44.6420, 0.2890,
0.3352

40.2048, 0.2569,
0.3476

46.6634, 0.3019,
0.3317

39.2213, 0.2492,
0.3521

48.9767, 0.3153,
0.3284

38.4590, 0.2433,
0.3568

51.5934, 0.3290,
0.3255

37.8986, 0.2393,
0.3615

54.5242, 0.3428,
0.3229

■ 37.5180, 0.2371,
0.3662

■ 57.7793, 0.3566,
0.3206

■ 37.2817, 0.2366,
0.3708

■ 59.9210, 0.3638,
0.3183

■ 37.2428, 0.2366,
0.3717

■ 60.0350, 0.3617,
0.3157

■ 60.1508, 0.3596,
0.3131

Harmonies

Analogous

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



42.8988, 0.2997, 0.3622



42.8988, 0.2771, 0.3391



42.8988, 0.2641, 0.3140

Triad

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



42.8988, 0.2771, 0.3391



42.8988, 0.2973, 0.2870



42.8988, 0.3643, 0.3611

Complementary

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



42.8988, 0.2771, 0.3391



28.9777, 0.3650, 0.3193

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.



42.8988, 0.3639, 0.3404



42.8988, 0.2771, 0.3391



42.8988, 0.3243, 0.2989

Square

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



42.8988, 0.2771, 0.3391



42.8988, 0.2753, 0.2852



42.8988, 0.3490, 0.3180



42.8988, 0.3504, 0.3744

Rectangle

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



42.8988, 0.2771, 0.3391



42.8988, 0.2622, 0.3000



42.8988, 0.3490, 0.3180



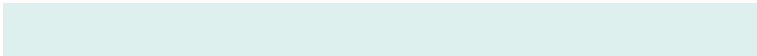
42.8988, 0.3659, 0.3548

Sweetspot

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



42.9005, 0.2771, 0.3391



83.5626, 0.3018, 0.3317



42.0378, 0.3154, 0.4075



17.8902, 0.2999, 0.3322



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.



42.9005, 0.2771, 0.3391



75.0753, 0.2700, 0.3417



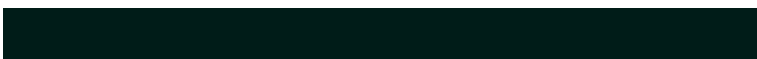
36.0514, 0.2697, 0.3019



10.1893, 0.3003, 0.3321



25.3645, 0.2364, 0.3711



0.9000, 0.2331, 0.3591

Inverse Universe

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



28.9777, 0.3650, 0.3193



45.8665, 0.3820, 0.3170



34.2024, 0.3663, 0.3546



9.0314, 0.3267, 0.3259



7.0770, 0.6202, 0.3190



0.2559, 0.5640, 0.2881

Previews

White Background



This preview shows how the Yxy color 42.8988, 0.2771, 0.3391 looks on a white background.

Color Contrast Check

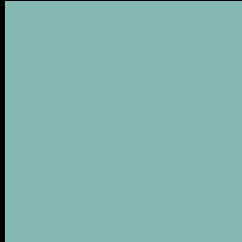
Large Text (above 18pt) WCAG AA × Fail

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 42.8988, 0.2771, 0.3391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

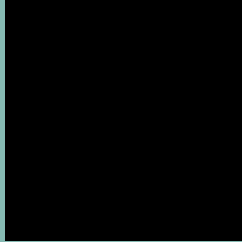
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

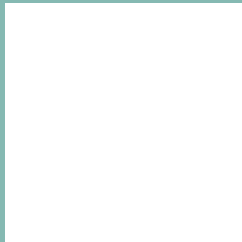
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.8988, 0.2771, 0.3391

Background



This preview shows how black text looks on a background with the Yxy color 42.8988, 0.2771, 0.3391.



This preview shows how white text looks on a background with the Yxy color 42.8988, 0.2771, 0.3391.

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

42.8988, 0.2771, 0.3391

Protanopia

42.6774, 0.3188, 0.3331

Deuteranopia

42.4035, 0.3198, 0.3134



Tritanopia

42.8055, 0.2670, 0.3078

Trichromacy



Original Color

42.8988, 0.2771, 0.3391

Protanomaly

42.5782, 0.3022, 0.3345

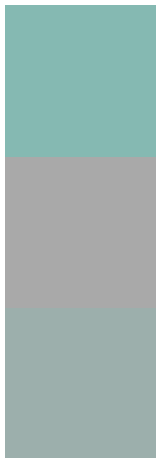
Deuteranomaly

42.2801, 0.3026, 0.3221

Tritanomaly

42.8189, 0.2710, 0.3189

Monochromacy



Original Color

42.8988, 0.2771, 0.3391

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.7064, 0.2987, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8988, 0.2771, 0.3391 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(133, 185, 178)` looks like.

```
.text, #text, p{  
    color:rgb(133, 185, 178)  
}
```

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(133, 185, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 185, 178) }
```

Border

The CSS property to change the border of an element to Yxy 42.8988, 0.2771, 0.3391 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(133, 185, 178) }
```

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

```
.border{ border-color:rgb(133, 185, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 185, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 185, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 185, 178);  
box-shadow:4px 4px 4px 4px rgb(133, 185,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8988, 0.2771, 0.3391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 185, 178) }
```

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

```
.background{ background-color: rgb(133,  
185, 178) }
```

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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