

Converting Colors

$Y_{xy}(50.8690, 0.2701, 0.3373)$

Have a look what the booklet for
Yxy(50.8690, 0.2701, 0.3373)
contains.

Yxy(50.8643, 0.2699, 0.3371)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.8643, 0.2699, 0.3371)

Conversions

Conversions Part 1

Format	Color
Hex	87C9C3
RGB	135, 201, 195
RGB Percent	53%, 79%, 76%
CMY	0.4707, 0.2117, 0.2353
CMYK	0.33, 0.00, 0.03, 0.21
HSL	175°, 38%, 66%
HSV	175°, 33%, 79%
XYZ	40.7246, 50.8643, 59.2989
YIQ	180.5820, -37.4100, -15.8580

Conversions

Conversions Part 2

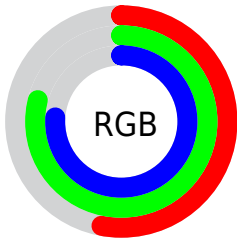
Format	Color
RYB	135, 170, 201
Decimal	8899011
CIELab	76.60, -22.18, -3.68
CIELCh	77, 22.483, 189.415
Yxy	50.8643, 0.2699, 0.3371
Android (android.graphics.Color)	4287089091 (0xFF87C9C3)
YUV	180.5820, 7.1081, -39.9754
Hunter-Lab	71.3192, -22.8817, 0.6263

Details

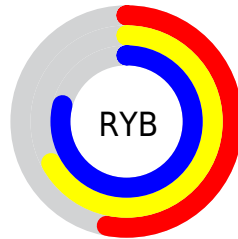
The Yxy color **50.8643, 0.2699, 0.3371** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.6616, 0.3811, 0.3213**, and the grayscale version is **45.9449, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4322, 0.2772, 0.3331**, and **24.5844, 0.2591, 0.3402** is the 20% darker color. If you saturate the color by 10%, you get **49.2716, 0.2593, 0.3400**, and if you desaturate by 10%, it is **52.7768, 0.2818, 0.3344**.

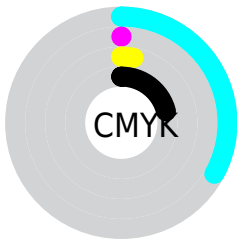
Distribution



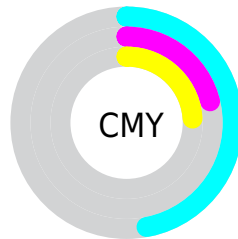
- Red (53%)
- Green (79%)
- Blue (76%)



- Red (53%)
- Yellow (67%)
- Blue (79%)



- Cyan (33%)
- Magenta (0%)
- Yellow (3%)
- Black (21%)





- Cyan (47%)
- Magenta (21%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.8643, 0.2699, 0.3371 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 50.8643, 0.2699, 0.3371 by changing the saturation by 10% instead.


 50.8643, 0.2699,
0.3371

 50.8643, 0.2699,
0.3371


390.0363, 0.2908,
0.3334


 36.1006, 0.2648,
0.3379


 91.4542, 0.2774,
0.3358

 24.5119, 0.2584,
0.3390


 118.0491, 0.2802,
0.3353

 15.7138, 0.2500,
0.3403


 149.3566, 0.2826,
0.3349

 9.3219, 0.2386,
0.3419

185.7611, 0.2847,
0.3345

 4.9517, 0.2222,
0.3440

227.6469, 0.2865,
0.3342

 2.2190, 0.1968,
0.3467

275.3985, 0.2881,

 0.7303, 0.0788,

0.3339

0.3768

329.4001, 0.2895,
0.3336

0.0000, 0.0000,
0.0000

50.8643, 0.2699,
0.3371

50.8643, 0.2699,
0.3371

49.2716, 0.2593,
0.3400

52.7768, 0.2818,
0.3344

47.9748, 0.2504,
0.3429

55.0195, 0.2949,
0.3319

46.9565, 0.2432,
0.3460


57.6095, 0.3087,
0.3296

46.1948, 0.2379,
0.3491


60.5611, 0.3230,
0.3275


45.6645, 0.2345,
0.3522

63.8879, 0.3376,
0.3257


 45.3355, 0.2330,
0.3553

 67.4929, 0.3517,
0.3240

 45.1846, 0.2326,
0.3575

 67.5823, 0.3503,
0.3221

 67.6728, 0.3489,
0.3203

 67.7643, 0.3474,
0.3184

Harmonies

Analogous

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



50.8643, 0.2945, 0.3646



50.8643, 0.2699, 0.3371



50.8643, 0.2567, 0.3087

Triad

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



50.8643, 0.2699, 0.3371



50.8643, 0.2983, 0.2825



50.8643, 0.3705, 0.3676

Complementary

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



50.8643, 0.2699, 0.3371



31.6616, 0.3811, 0.3213

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.



50.8643, 0.3722, 0.3446



50.8643, 0.2699, 0.3371



50.8643, 0.3293, 0.2969

Square

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



50.8643, 0.2699, 0.3371



50.8643, 0.2725, 0.2789



50.8643, 0.3568, 0.3192



50.8643, 0.3529, 0.3817

Rectangle

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



50.8643, 0.2699, 0.3371



50.8643, 0.2558, 0.2936



50.8643, 0.3568, 0.3192



50.8643, 0.3730, 0.3606

Sweetspot

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



50.8663, 0.2699, 0.3371



95.3318, 0.2985, 0.3313



49.2395, 0.3131, 0.4242



20.2752, 0.2966, 0.3316



0.0000, 0.0000, 0.0000



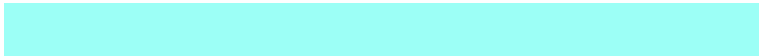
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.8663, 0.2699, 0.3371



85.1936, 0.2627, 0.3390



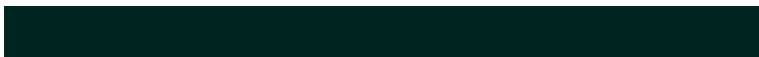
39.8684, 0.2617, 0.2916



12.0503, 0.2996, 0.3311



28.4145, 0.2325, 0.3570



1.3504, 0.2307, 0.3506

Inverse Universe

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



31.6616, 0.3811, 0.3213



47.5884, 0.4018, 0.3197



39.7925, 0.3770, 0.3635



10.6524, 0.3275, 0.3269



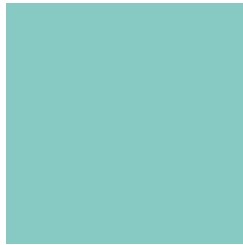
7.8417, 0.6286, 0.3236



0.3768, 0.5931, 0.3041

Previews

White Background



This preview shows how the Yxy color 50.8643, 0.2699, 0.3371 looks on a white background.

Color Contrast Check

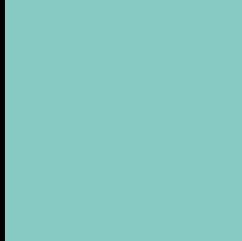
Large Text (above 18pt) WCAG AA × Fail

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 50.8643, 0.2699, 0.3371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

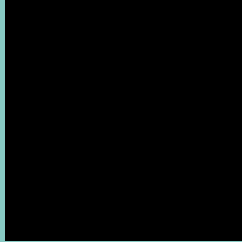
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

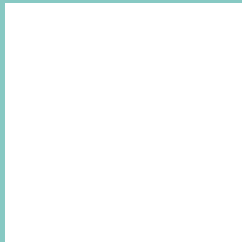
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.8643, 0.2699, 0.3371

Background



This preview shows how black text looks on a background with the Yxy color 50.8643, 0.2699, 0.3371.

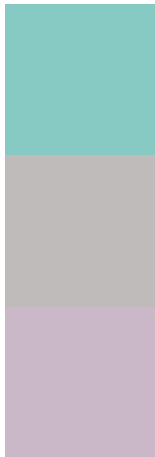


This preview shows how white text looks on a background with the Yxy color 50.8643, 0.2699, 0.3371.

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

50.8643, 0.2699, 0.3371

Protanopia

50.3350, 0.3169, 0.3290

Deuteranopia

50.5471, 0.3161, 0.3097



Tritanopia

50.8187, 0.2613, 0.3078

Trichromacy



Original Color

50.8643, 0.2699, 0.3371

Protanomaly

50.0749, 0.2976, 0.3316

Deuteranomaly

50.3691, 0.2972, 0.3188

Tritanomaly

50.7551, 0.2643, 0.3182

Monochromacy



Original Color

50.8643, 0.2699, 0.3371

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.4041, 0.2949, 0.3316

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8643, 0.2699, 0.3371 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(135, 201, 195)` looks like.

```
.text, #text, p{  
    color:rgb(135, 201, 195)  
}
```

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(135, 201, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 201, 195) }
```

Border

The CSS property to change the border of an element to Yxy 50.8643, 0.2699, 0.3371 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(135, 201, 195) }
```

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

```
.border{ border-color:rgb(135, 201, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 201, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 201, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 201, 195);  
box-shadow:4px 4px 4px 4px rgb(135, 201,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8643, 0.2699, 0.3371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 201, 195) }
```

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

```
.background{ background-color: rgb(135,  
201, 195) }
```

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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