

Converting Colors

$Y_{xy}(49.6816, 0.2823, 0.3370)$

Have a look what the booklet for
Yxy(49.6816, 0.2823, 0.3370)
contains.

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Color

Yxy(49.6816, 0.2823, 0.3370)

Conversions

Conversions Part 1

Format	Color
Hex	96C4BE
RGB	150, 196, 190
RGB Percent	59%, 77%, 75%
CMY	0.4116, 0.2314, 0.2548
CMYK	0.23, 0.00, 0.03, 0.23
HSL	172°, 28%, 68%
HSV	172°, 23%, 77%
XYZ	41.6176, 49.6816, 56.1240
YIQ	181.5620, -25.4900, -11.6180

Conversions

Conversions Part 2

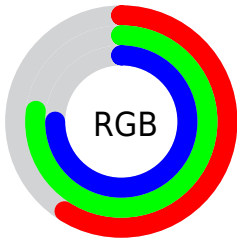
Format	Color
RYB	150, 175, 196
Decimal	9880766
CIELab	75.87, -16.33, -1.96
CIELCh	76, 16.444, 186.833
Yxy	49.6816, 0.2823, 0.3370
Android (android.graphics.Color)	4288070846 (0xFF96C4BE)
YUV	181.5620, 4.1599, -27.6799
Hunter-Lab	70.4852, -17.9548, 2.1298

Details

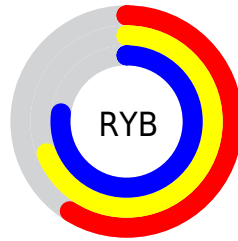
The Yxy color **49.6816, 0.2823, 0.3370** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **35.9577, 0.3545, 0.3212**, and the grayscale version is **46.5206, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8835, 0.2878, 0.3363**, and **23.7488, 0.2738, 0.3382** is the 20% darker color. If you saturate the color by 10%, you get **47.8663, 0.2709, 0.3409**, and if you desaturate by 10%, it is **51.8139, 0.2948, 0.3334**.

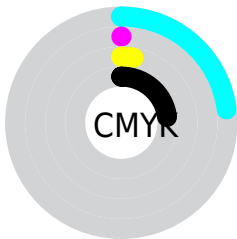
Distribution



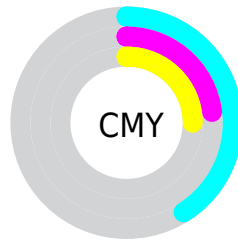
- Red (59%)
- Green (77%)
- Blue (75%)



- Red (59%)
- Yellow (69%)
- Blue (77%)



- Cyan (23%)
- Magenta (0%)
- Yellow (3%)
- Black (23%)





- Cyan (41%)
- Magenta (23%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.6816, 0.2823, 0.3370 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 49.6816, 0.2823, 0.3370 by changing the saturation by 10% instead.


 49.6816, 0.2823,
0.3370


 49.6816, 0.2823,
0.3370


385.4195, 0.2973,
0.3332

 35.1605, 0.2786,
0.3379

 89.7029, 0.2877,
0.3356

 23.7865, 0.2740,
0.3391


 115.9719, 0.2897,
0.3351

 15.1753, 0.2678,
0.3406


146.9257, 0.2915,
0.3347

 8.9425, 0.2594,
0.3426

182.9486, 0.2929,
0.3343

 4.7037, 0.2470,
0.3454

224.4250, 0.2942,
0.3339

 2.0745, 0.2274,
0.3497

271.7394, 0.2954,

 0.6502, 0.1280,

0.3336

0.3793

325.2761, 0.2964,
0.3334

0.0000, 0.0000,
0.0000

49.6816, 0.2823,
0.3370

49.6816, 0.2823,
0.3370

47.8663, 0.2709,
0.3409

51.8139, 0.2948,
0.3334

46.3464, 0.2607,
0.3450

54.2716, 0.3080,
0.3301

45.1073, 0.2522,
0.3493

57.0700, 0.3217,
0.3271

44.1303, 0.2454,
0.3538

60.2221, 0.3357,
0.3244

43.3949, 0.2405,
0.3583

63.7397, 0.3496,
0.3220

■ 42.8772, 0.2375,
0.3629

■ 65.1605, 0.3532,
0.3195

■ 42.5485, 0.2363,
0.3674

■ 65.2847, 0.3512,
0.3169

■ 42.4005, 0.2362,
0.3703

■ 65.4110, 0.3492,
0.3143

■ 65.5392, 0.3471,
0.3117

Harmonies

Analogous

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



49.6816, 0.3013, 0.3563



49.6816, 0.2823, 0.3370



49.6816, 0.2714, 0.3161

Triad

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



49.6816, 0.2823, 0.3370



49.6816, 0.3004, 0.2935



49.6816, 0.3559, 0.3567

Complementary

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



49.6816, 0.2823, 0.3370



35.9577, 0.3545, 0.3212

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.



49.6816, 0.3558, 0.3394



49.6816, 0.2823, 0.3370



49.6816, 0.3231, 0.3038

Square

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



49.6816, 0.2823, 0.3370



49.6816, 0.2816, 0.2919



49.6816, 0.3437, 0.3203



49.6816, 0.3440, 0.3674

Rectangle

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



49.6816, 0.2823, 0.3370



49.6816, 0.2700, 0.3044



49.6816, 0.3437, 0.3203



49.6816, 0.3573, 0.3514

Sweetspot

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



49.6836, 0.2823, 0.3370



96.6219, 0.3031, 0.3313



48.7648, 0.3145, 0.3933



20.6218, 0.3023, 0.3315



0.0000, 0.0000, 0.0000



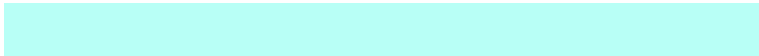
21.4041, 0.3127, 0.3290

Same Dimension

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



49.6836, 0.2823, 0.3370



88.2978, 0.2764, 0.3389



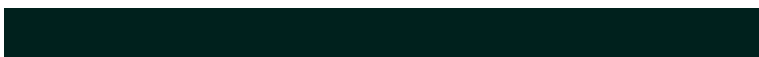
42.7692, 0.2766, 0.3057



11.4052, 0.3001, 0.3320



27.2545, 0.2360, 0.3697



1.1840, 0.2332, 0.3596

Inverse Universe

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



35.9577, 0.3545, 0.3212



59.2198, 0.3664, 0.3195



41.5331, 0.3557, 0.3512



10.0987, 0.3269, 0.3260



7.5944, 0.6216, 0.3198



0.3353, 0.5727, 0.2929

Previews

White Background



This preview shows how the Yxy color 49.6816, 0.2823, 0.3370 looks on a white background.

Color Contrast Check

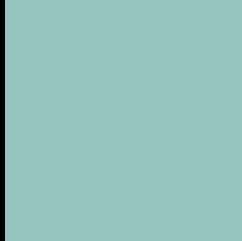
Large Text (above 18pt) WCAG AA × Fail

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 49.6816, 0.2823, 0.3370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

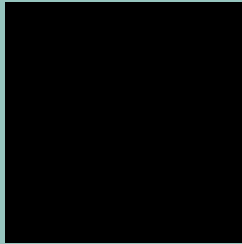
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

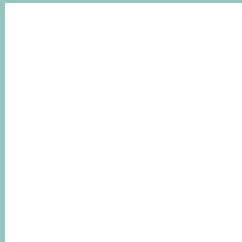
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.6816, 0.2823, 0.3370

Background



This preview shows how black text looks on a background with the Yxy color 49.6816, 0.2823, 0.3370.

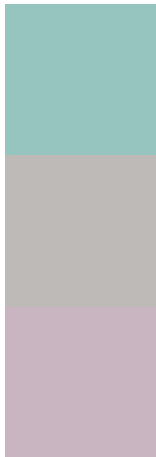


This preview shows how white text looks on a background with the Yxy color 49.6816, 0.2823, 0.3370.

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

49.6816, 0.2823, 0.3370

Protanopia

49.5257, 0.3176, 0.3315

Deuteranopia

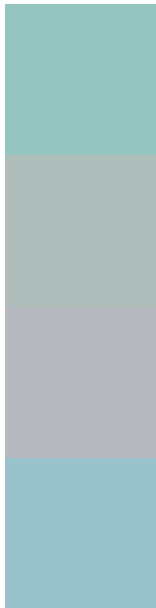
49.3155, 0.3202, 0.3144



Tritanopia

49.6134, 0.2725, 0.3080

Trichromacy



Original Color

49.6816, 0.2823, 0.3370

Protanomaly

49.4860, 0.3036, 0.3342

Deuteranomaly

48.8687, 0.3048, 0.3213

Tritanomaly

49.6201, 0.2764, 0.3183

Monochromacy



Original Color

49.6816, 0.2823, 0.3370

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.5895, 0.3004, 0.3316

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6816, 0.2823, 0.3370 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(150, 196, 190)` looks like.

```
.text, #text, p{  
    color:rgb(150, 196, 190)  
}
```

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(150, 196, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 196, 190) }
```

Border

The CSS property to change the border of an element to Yxy 49.6816, 0.2823, 0.3370 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(150, 196, 190) }
```

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

```
.border{ border-color:rgb(150, 196, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 196, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 196, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 196, 190);  
box-shadow:4px 4px 4px 4px rgb(150, 196,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6816, 0.2823, 0.3370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 196, 190) }
```

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

```
.background{ background-color: rgb(150,  
196, 190) }
```

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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