

Converting Colors

$Y_{xy}(49.6006, 0.2922, 0.3343)$

Have a look what the booklet for
Yxy(49.6006, 0.2922, 0.3343)
contains.

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Color

Yxy(49.6006, 0.2922, 0.3343)

Conversions

Conversions Part 1

Format	Color
Hex	A3C1BD
RGB	163, 193, 189
RGB Percent	64%, 76%, 74%
CMY	0.3609, 0.2431, 0.2589
CMYK	0.16, 0.00, 0.02, 0.24
HSL	172°, 19%, 70%
HSV	172°, 16%, 76%
XYZ	43.3542, 49.6006, 55.4168
YIQ	183.5740, -16.5960, -7.6040

Conversions

Conversions Part 2

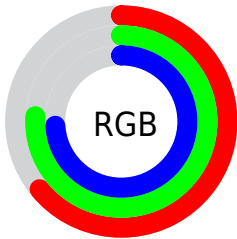
Format	Color
RYB	163, 179, 193
Decimal	10731965
CIELab	75.82, -10.90, -1.37
CIELCh	76, 10.988, 187.142
Yxy	49.6006, 0.2922, 0.3343
Android (android.graphics.Color)	4288922045 (0xFFA3C1BD)
YUV	183.5740, 2.6750, -18.0434
Hunter-Lab	70.4277, -13.3667, 2.6464

Details

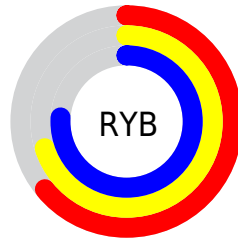
The Yxy color **49.6006, 0.2922, 0.3343** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.3180, 0.3378, 0.3238**, and the grayscale version is **47.6760, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.2494, 0.2958, 0.3331**, and **23.6223, 0.2864, 0.3344** is the 20% darker color. If you saturate the color by 10%, you get **47.6069, 0.2800, 0.3381**, and if you desaturate by 10%, it is **51.9114, 0.3052, 0.3308**.

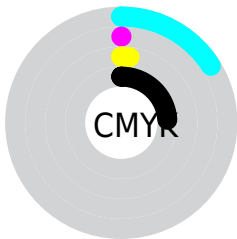
Distribution



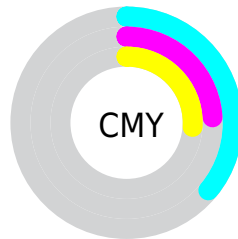
- Red (64%)
- Green (76%)
- Blue (74%)



- Red (64%)
- Yellow (70%)
- Blue (76%)



- Cyan (16%)
- Magenta (0%)
- Yellow (2%)
- Black (24%)



- Cyan (36%)
- Magenta (24%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.6006, 0.2922, 0.3343 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 49.6006, 0.2922, 0.3343 by changing the saturation by 10% instead.


 49.6006, 0.2922,
0.3343


 49.6006, 0.2922,
0.3343


385.1020, 0.3023,
0.3317

 35.0962, 0.2897,
0.3349


 89.5828, 0.2958,
0.3334

 23.7370, 0.2865,
0.3357


 115.8294, 0.2972,
0.3330

 15.1386, 0.2824,
0.3367


146.7588, 0.2984,
0.3327

 8.9167, 0.2766,
0.3381

182.7554, 0.2994,
0.3325

 4.6869, 0.2681,
0.3401

224.2036, 0.3003,
0.3323

 2.0648, 0.2545,
0.3432

271.4879, 0.3010,

 0.6447, 0.1938,

0.3321

0.3604

324.9925, 0.3017,
0.3319

0.0000, 0.0000,
0.0000

49.6006, 0.2922,
0.3343

49.6006, 0.2922,
0.3343

47.6069, 0.2800,
0.3381

51.9114, 0.3052,
0.3308

45.9100, 0.2688,
0.3422

54.5462, 0.3188,
0.3276

44.4969, 0.2591,
0.3465

57.5195, 0.3326,
0.3248

43.3510, 0.2509,
0.3510

60.8432, 0.3465,
0.3222

42.4542, 0.2445,
0.3557

63.6670, 0.3566,
0.3199

■ 41.7861, 0.2400,
0.3604

■ 63.7910, 0.3544,
0.3172

■ 41.3229, 0.2375,
0.3651

■ 63.9170, 0.3523,
0.3146

■ 41.0352, 0.2367,
0.3697

■ 64.0452, 0.3502,
0.3119

■ 40.9370, 0.2366,
0.3718

■ 64.1754, 0.3481,
0.3093

Harmonies

Analogous

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



49.6006, 0.3051, 0.3469



49.6006, 0.2922, 0.3343



49.6006, 0.2848, 0.3205

Triad

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



49.6006, 0.2922, 0.3343



49.6006, 0.3047, 0.3050



49.6006, 0.3415, 0.3479

Complementary

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



49.6006, 0.2922, 0.3343



40.3180, 0.3378, 0.3238

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.



49.6006, 0.3414, 0.3364



49.6006, 0.2922, 0.3343



49.6006, 0.3199, 0.3121

Square

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



49.6006, 0.2922, 0.3343



49.6006, 0.2919, 0.3040



49.6006, 0.3335, 0.3234



49.6006, 0.3336, 0.3547

Rectangle

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



49.6006, 0.2922, 0.3343



49.6006, 0.2839, 0.3126



49.6006, 0.3335, 0.3234



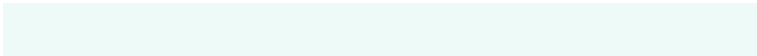
49.6006, 0.3424, 0.3444

Sweetspot

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



49.6027, 0.2922, 0.3343



93.1743, 0.3059, 0.3306



49.0574, 0.3144, 0.3697



19.9217, 0.3049, 0.3309



97.7402, 0.3127, 0.3290



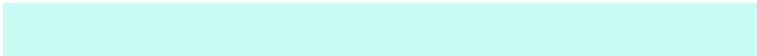
20.4902, 0.3127, 0.3290

Same Dimension

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



49.6027, 0.2922, 0.3343



87.4263, 0.2875, 0.3357



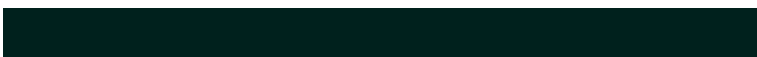
45.2971, 0.2889, 0.3149



11.4044, 0.3002, 0.3321



27.2329, 0.2364, 0.3712



1.1832, 0.2336, 0.3608

Inverse Universe

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



40.3180, 0.3378, 0.3238



67.3373, 0.3452, 0.3225



44.0592, 0.3395, 0.3427



10.0995, 0.3268, 0.3259



7.5972, 0.6207, 0.3193



0.3356, 0.5707, 0.2918

Previews

White Background



This preview shows how the Yxy color 49.6006, 0.2922, 0.3343 looks on a white background.

Color Contrast Check

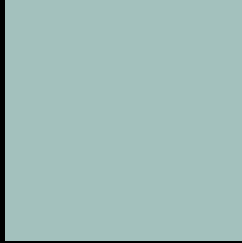
Large Text (above 18pt) WCAG AA × Fail

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 49.6006, 0.2922, 0.3343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

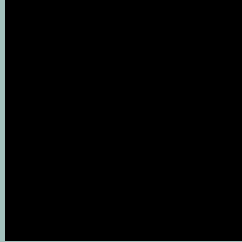
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

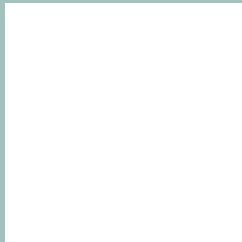
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.6006, 0.2922, 0.3343

Background



This preview shows how black text looks on a background with the Yxy color 49.6006, 0.2922, 0.3343.



This preview shows how white text looks on a background with the Yxy color 49.6006, 0.2922, 0.3343.

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

49.6006, 0.2922, 0.3343

Protanopia

49.5677, 0.3168, 0.3303

Deuteranopia

49.3659, 0.3227, 0.3168



Tritanopia

49.3901, 0.2826, 0.3083

Trichromacy



Original Color

49.6006, 0.2922, 0.3343

Protanomaly

49.6437, 0.3076, 0.3329

Deuteranomaly

49.1070, 0.3113, 0.3227

Tritanomaly

49.4311, 0.2860, 0.3172

Monochromacy



Original Color

49.6006, 0.2922, 0.3343

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.3159, 0.3045, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6006, 0.2922, 0.3343 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(163, 193, 189)` looks like.

```
.text, #text, p{  
    color:rgb(163, 193, 189)  
}
```

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(163, 193, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 193, 189) }
```

Border

The CSS property to change the border of an element to Yxy 49.6006, 0.2922, 0.3343 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(163, 193, 189) }
```

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

```
.border{ border-color:rgb(163, 193, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 193, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 193, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 193, 189);  
box-shadow:4px 4px 4px 4px rgb(163, 193,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6006, 0.2922, 0.3343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 193, 189) }
```

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

```
.background{ background-color: rgb(163,  
193, 189) }
```

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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