

Converting Colors

$Y_{xy}(49.0794, 0.2250, 0.3158)$

Have a look what the booklet for
Yxy(49.0794, 0.2250, 0.3158)
contains.

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Color

Yxy(49.0099, 0.2251, 0.3158)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 2ACDD6 |
| RGB | 42, 205, 214 |
| RGB Percent | 16%, 80%, 84% |
| CMY | 0.8342, 0.1961, 0.1607 |
| CMYK | 0.80, 0.04, 0.00, 0.16 |
| HSL | 183°, 68%, 50% |
| HSV | 183°, 80%, 84% |
| XYZ | 34.9339, 49.0099, 71.2490 |
| YIQ | 157.2890, -100.0370, -31.7570 |

Conversions

Conversions Part 2

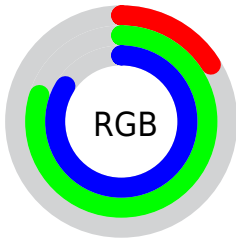
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 42, 126, 214 |
| Decimal | 2805206 |
| CIELab | 75.46, -36.06, -15.95 |
| CIELCh | 75, 39.427, 203.862 |
| Yxy | 49.0099, 0.2251, 0.3158 |
| Android (android.graphics.Color) | 4280995286 (0xFF2ACDD6) |
| YUV | 157.2890, 27.9585, -101.1085 |
| Hunter-Lab | 70.0071, -33.4399, -11.3369 |

Details

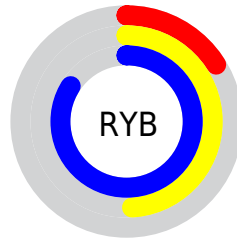
The Yxy color **49.0099, 0.2251, 0.3158** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **16.8639, 0.5854, 0.3363**, and the grayscale version is **33.7978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7331, 0.2446, 0.3288**, and **24.3159, 0.2199, 0.3115** is the 20% darker color. If you saturate the color by 10%, you get **48.1351, 0.2219, 0.3140**, and if you desaturate by 10%, it is **50.1333, 0.2302, 0.3176**.

Distribution



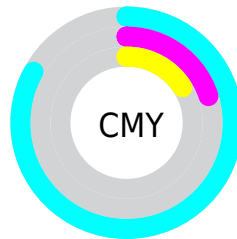
- Red (16%)
- Green (80%)
- Blue (84%)



- Red (16%)
- Yellow (49%)
- Blue (84%)



- Cyan (80%)
- Magenta (4%)
- Yellow (0%)
- Black (16%)





- Cyan (83%)
- Magenta (20%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.0099, 0.2251, 0.3158 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 49.0099, 0.2251, 0.3158 by changing the saturation by 10% instead.


 49.0099, 0.2251,
0.3158


 49.0099, 0.2251,
0.3158


382.7813, 0.2671,
0.3237


 34.6273, 0.2153,
0.3135


 88.7062, 0.2399,
0.3190

 23.3759, 0.2030,
0.3103


 114.7886, 0.2456,
0.3201

 14.8714, 0.1873,
0.3057


 145.5399, 0.2505,
0.3210

 8.7291, 0.1668,
0.2989

 181.3443, 0.2547,
0.3217

 4.5649, 0.1391,
0.2877

 222.5862, 0.2584,
0.3223

 1.9943, 0.1002,
0.2678

269.6501, 0.2616,

 0.6042, 0.0000,

0.3229

0.2302

322.9203, 0.2645,
0.3233

■ 0.0000, 0.0000,
0.0000

■ 49.0099, 0.2251,
0.3158

■ 49.0099, 0.2251,
0.3158

■ 48.1351, 0.2219,
0.3140

■ 50.1333, 0.2302,
0.3176

■ 47.4571, 0.2201,
0.3124

■ 51.5336, 0.2371,
0.3194

■ 53.2406, 0.2460,
0.3211

■ 55.2792, 0.2567,
0.3229

■ 57.6716, 0.2689,
0.3245

■ 60.4381, 0.2825,
0.3261

■ 63.5973, 0.2970,
0.3276

■ 67.1668, 0.3123,
0.3290

■ 71.1630, 0.3281,
0.3302

Harmonies

Analogous

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



49.0099, 0.2573, 0.3706



49.0099, 0.2251, 0.3158



49.0099, 0.2151, 0.2715

Triad

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



49.0099, 0.2251, 0.3158



49.0099, 0.3121, 0.2601



49.0099, 0.4016, 0.4093

Complementary

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



49.0099, 0.2251, 0.3158



16.8639, 0.5854, 0.3363

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.



49.0099, 0.4208, 0.3728



49.0099, 0.2251, 0.3158



49.0099, 0.3670, 0.2906

Square

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



49.0099, 0.2251, 0.3158



49.0099, 0.2617, 0.2445



49.0099, 0.4083, 0.3304



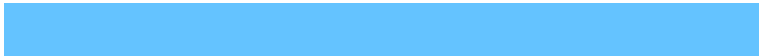
49.0099, 0.3589, 0.4275

Rectangle

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



49.0099, 0.2251, 0.3158



49.0099, 0.2211, 0.2531



49.0099, 0.4083, 0.3304



49.0099, 0.4112, 0.3985

Sweetspot

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



49.0117, 0.2251, 0.3158



88.1467, 0.2769, 0.3255



48.8392, 0.2991, 0.5702



18.5538, 0.2721, 0.3249



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.



49.0117, 0.2251, 0.3158



70.8658, 0.2206, 0.3129



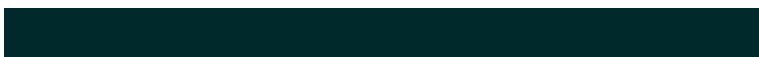
18.6835, 0.1889, 0.1785



13.9907, 0.2983, 0.3277



28.7280, 0.2202, 0.3126



1.7678, 0.2210, 0.3156

Inverse Universe

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



20.3828, 0.3311, 0.1705



27.8999, 0.3342, 0.1624



32.2859, 0.4887, 0.4257



12.6209, 0.3146, 0.3072



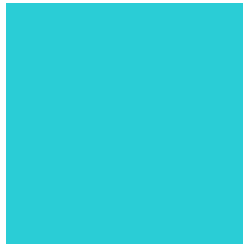
11.2450, 0.3345, 0.1616



0.6818, 0.3319, 0.1602

Previews

White Background



This preview shows how the Yxy color 49.0099, 0.2251, 0.3158 looks on a white background.

Color Contrast Check

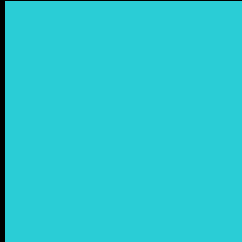
Large Text (above 18pt) WCAG AA × Fail

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 49.0099, 0.2251, 0.3158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

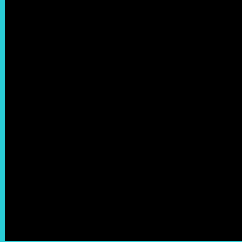
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.0099, 0.2251, 0.3158

Background



This preview shows how black text looks on a background with the Yxy color 49.0099, 0.2251, 0.3158.

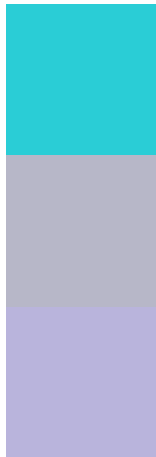


This preview shows how white text looks on a background with the Yxy color 49.0099, 0.2251, 0.3158.

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

49.0099, 0.2251, 0.3158

Protanopia

48.1044, 0.2997, 0.3075

Deuteranopia

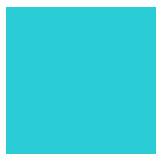
48.1241, 0.2867, 0.2802



Tritanopia

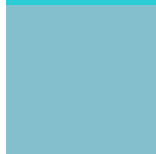
49.0592, 0.2231, 0.3048

Trichromacy



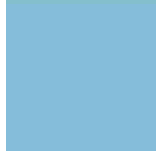
Original Color

49.0099, 0.2251, 0.3158



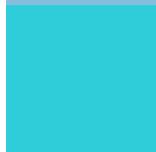
Protanomaly

46.5749, 0.2604, 0.3096



Deuteranomaly

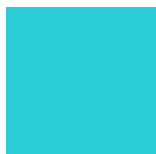
46.4437, 0.2531, 0.2900



Tritanomaly

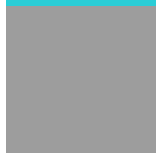
48.8520, 0.2239, 0.3089

Monochromacy



Original Color

49.0099, 0.2251, 0.3158



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

37.1313, 0.2628, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0099, 0.2251, 0.3158 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(42, 205, 214)` looks like.

```
.text, #text, p{  
    color:rgb(42, 205, 214)  
}
```

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(42, 205, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 205, 214) }
```

Border

The CSS property to change the border of an element to Yxy 49.0099, 0.2251, 0.3158 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(42, 205, 214) }
```

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

```
.border{ border-color:rgb(42, 205, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 205, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 205, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 205, 214);  
box-shadow:4px 4px 4px 4px rgb(42, 205,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0099, 0.2251, 0.3158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 205, 214) }
```

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

```
.background{ background-color: rgb(42, 205,  
214) }
```

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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