

Converting Colors

$Yxy(50.4307, 0.2229, 0.3408)$

Have a look what the booklet for
Yxy(50.4307, 0.2229, 0.3408)
contains.

Yxy(50.9003, 0.2279, 0.3405)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(50.9003, 0.2279, 0.3405)

Conversions

Conversions Part 1

Format	Color
Hex	00D3CB
RGB	0, 211, 203
RGB Percent	0%, 83%, 80%
CMY	1.0000, 0.1725, 0.2040
CMYK	1.00, 0.00, 0.04, 0.17
HSL	178°, 100%, 41%
HSV	178°, 100%, 83%
XYZ	34.0681, 50.9003, 64.5186
YIQ	146.9990, -123.1880, -47.2200

Conversions

Conversions Part 2

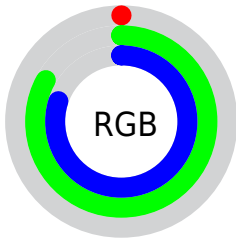
Format	Color
RYB	0, 108, 211
Decimal	54219
CIELab	76.62, -44.05, -8.30
CIELCh	77, 44.820, 190.670
Yxy	50.9003, 0.2279, 0.3405
Android (android.graphics.Color)	4278244299 (0xFF00D3CB)
YUV	146.9990, 27.6085, -128.9181
Hunter-Lab	71.3444, -39.6163, -3.6763

Details

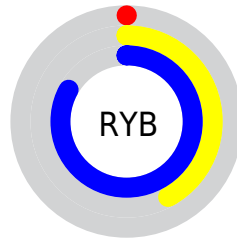
The Yxy color **50.9003, 0.2279, 0.3405** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **13.8680, 0.6367, 0.3281**, and the grayscale version is **29.1008, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9281, 0.2408, 0.3288**, and **25.9469, 0.2284, 0.3424** is the 20% darker color. If you saturate the color by 10%, you get **50.9047, 0.2279, 0.3405**, and if you desaturate by 10%, it is **51.1036, 0.2289, 0.3393**.

Distribution



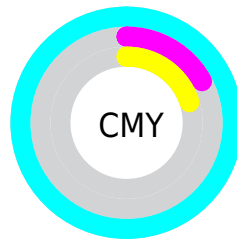
- Red (0%)
- Green (83%)
- Blue (80%)



- Red (0%)
- Yellow (42%)
- Blue (83%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (17%)




- Cyan (100%)
- Magenta (17%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.9003, 0.2279, 0.3405 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 50.9003, 0.2279, 0.3405 by changing the saturation by 10% instead.


 50.9003, 0.2279,
0.3405


 50.9003, 0.2279,
0.3405


390.1763, 0.2686,
0.3359

 36.1293, 0.2183,
0.3413


 91.5074, 0.2423,
0.3391

 24.5340, 0.2063,
0.3421


 118.1122, 0.2478,
0.3385

 15.7302, 0.1910,
0.3429


 149.4305, 0.2525,
0.3380

 9.3335, 0.1707,
0.3433

 185.8465, 0.2566,
0.3375

 4.9593, 0.1431,
0.3426

 227.7447, 0.2602,
0.3370

 2.2234, 0.1027,
0.3392

275.5095, 0.2633,

 0.7327, 0.0000,

0.3366

329.5252, 0.2661,
0.3363

0.3372

0.0000, 0.0000,
0.0000

50.9003, 0.2279,
0.3405

50.9047, 0.2279,
0.3405

50.9003, 0.2279,
0.3405

51.1036, 0.2289,
0.3393

51.4782, 0.2313,
0.3380

52.0872, 0.2356,
0.3368

52.9629, 0.2417,
0.3355

54.1325, 0.2498,
0.3343

■ 55.6197, 0.2596,
0.3331

■ 57.4461, 0.2711,
0.3320

■ 59.6310, 0.2840,
0.3309

■ 62.1927, 0.2980,
0.3299

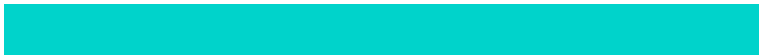
Harmonies

Analogous

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



50.9003, 0.2726, 0.4013



50.9003, 0.2279, 0.3405



50.9003, 0.2062, 0.2833

Triad

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



50.9003, 0.2279, 0.3405



50.9003, 0.2853, 0.2429



50.9003, 0.4254, 0.4011

Complementary

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



50.9003, 0.2279, 0.3405



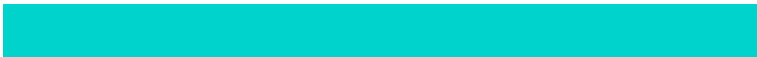
13.8680, 0.6367, 0.3281

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.



50.9003, 0.4325, 0.3561



50.9003, 0.2279, 0.3405



50.9003, 0.3468, 0.2698

Square

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



50.9003, 0.2279, 0.3405



50.9003, 0.2366, 0.2341



50.9003, 0.4030, 0.3097



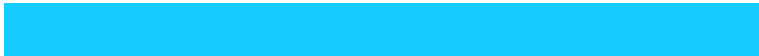
50.9003, 0.3870, 0.4337

Rectangle

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



50.9003, 0.2279, 0.3405



50.9003, 0.2056, 0.2563



50.9003, 0.4030, 0.3097



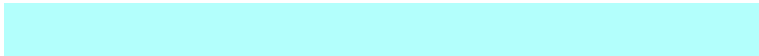
50.9003, 0.4317, 0.3868

Sweetspot

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



50.9047, 0.2279, 0.3405



88.0782, 0.2707, 0.3320



46.6618, 0.3009, 0.5993



18.5842, 0.2657, 0.3325



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.



50.9047, 0.2279, 0.3405



78.1310, 0.2280, 0.3406



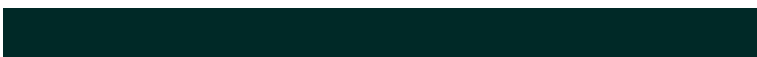
17.2073, 0.1815, 0.1734



13.3990, 0.2988, 0.3299



30.7212, 0.2279, 0.3403



1.7202, 0.2272, 0.3380

Inverse Universe

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



13.8680, 0.6367, 0.3281



21.2813, 0.6374, 0.3285



22.0267, 0.5567, 0.3962



11.8154, 0.3285, 0.3282



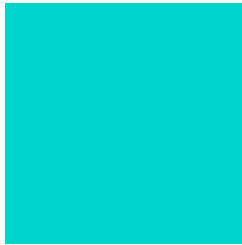
8.3718, 0.6356, 0.3275



0.4707, 0.6212, 0.3196

Previews

White Background



This preview shows how the Yxy color 50.9003, 0.2279, 0.3405 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 50.9003, 0.2279, 0.3405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

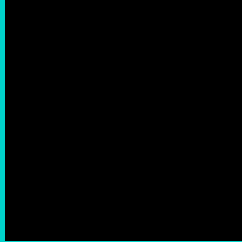
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

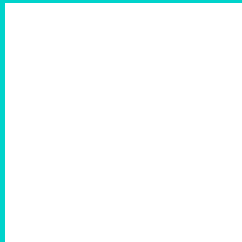
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.9003, 0.2279, 0.3405

Background



This preview shows how black text looks on a background with the Yxy color 50.9003, 0.2279, 0.3405.

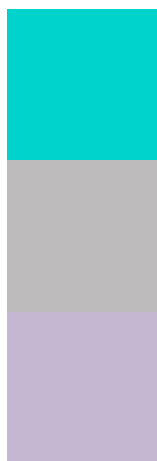


This preview shows how white text looks on a background with the Yxy color 50.9003, 0.2279, 0.3405.

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

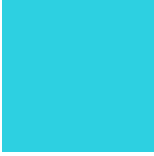
50.9003, 0.2279, 0.3405

Protanopia

50.1186, 0.3144, 0.3277

Deuteranopia

50.2062, 0.3035, 0.2976



Tritanopia

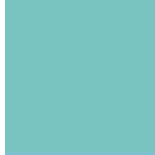
51.1059, 0.2223, 0.3052

Trichromacy



Original Color

50.9003, 0.2279, 0.3405



Protanomaly

47.3951, 0.2618, 0.3331



Deuteranomaly

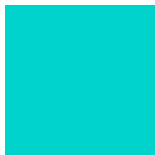
47.0049, 0.2554, 0.3095



Tritanomaly

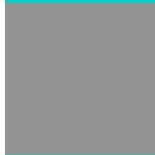
50.8719, 0.2236, 0.3174

Monochromacy



Original Color

50.9003, 0.2279, 0.3405



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

33.9192, 0.2555, 0.3338

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.9003, 0.2279, 0.3405 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(0, 211, 203)` looks like.

```
.text, #text, p{  
    color:rgb(0, 211, 203)  
}
```

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(0, 211, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 211, 203) }
```

Border

The CSS property to change the border of an element to Yxy 50.9003, 0.2279, 0.3405 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(0, 211, 203) }
```

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

```
.border{ border-color:rgb(0, 211, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 211, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 211, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 211, 203);  
box-shadow:4px 4px 4px 4px rgb(0, 211,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 50.9003, 0.2279, 0.3405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 211, 203) }
```

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

```
.background{ background-color: rgb(0, 211,  
203) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor