

Converting Colors

$Y_{xy}(49.0677, 0.2139, 0.3210)$

Have a look what the booklet for
Yxy(49.0677, 0.2139, 0.3210)
contains.

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Color

Yxy(49.9668, 0.2223, 0.3201)

Conversions

Conversions Part 1

Format	Color
Hex	01D0D6
RGB	1, 208, 214
RGB Percent	0%, 82%, 84%
CMY	0.9966, 0.1843, 0.1608
CMYK	1.00, 0.03, 0.00, 0.16
HSL	182°, 99%, 42%
HSV	182°, 100%, 84%
XYZ	34.7005, 49.9668, 71.4302
YIQ	146.7910, -125.2980, -42.0180

Conversions

Conversions Part 2

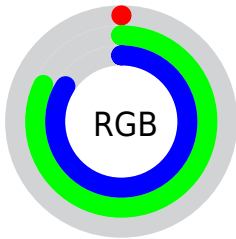
Format	Color
RYB	1, 106, 214
Decimal	118998
CIELab	76.05, -39.41, -15.08
CIELCh	76, 42.191, 200.937
Yxy	49.9668, 0.2223, 0.3201
Android (android.graphics.Color)	4278309078 (0xFF01D0D6)
YUV	146.7910, 33.1340, -127.8587
Hunter-Lab	70.6872, -36.0766, -10.4322

Details

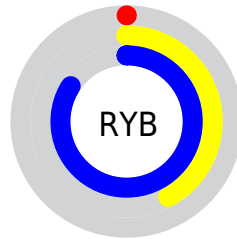
The Yxy color **49.9668, 0.2223, 0.3201** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **14.4465, 0.6378, 0.3313**, and the grayscale version is **28.9666, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9912, 0.2411, 0.3288**, and **25.2857, 0.2215, 0.3173** is the 20% darker color. If you saturate the color by 10%, you get **49.9512, 0.2222, 0.3201**, and if you desaturate by 10%, it is **50.4311, 0.2239, 0.3210**.

Distribution



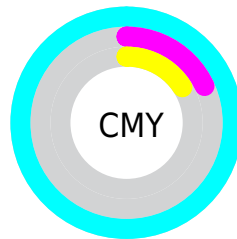
- Red (0%)
- Green (82%)
- Blue (84%)



- Red (0%)
- Yellow (42%)
- Blue (84%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (16%)




- Cyan (100%)
- Magenta (18%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9668, 0.2223, 0.3201 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 49.9668, 0.2223, 0.3201 by changing the saturation by 10% instead.


 49.9668, 0.2223,
0.3201

 49.9668, 0.2223,
0.3201

386.5361, 0.2655,
0.3260


 35.3870, 0.2122,
0.3182


 90.1257, 0.2375,
0.3225


 23.9612, 0.1997,
0.3157


 116.4736, 0.2433,
0.3234


 15.3048, 0.1838,
0.3119


 147.5130, 0.2483,
0.3240

 9.0336, 0.1630,
0.3061

 183.6282, 0.2527,
0.3246

 4.7631, 0.1350,
0.2963

 225.2038, 0.2565,
0.3250

 2.1089, 0.0960,
0.2786

272.6240, 0.2598,

 0.6696, 0.0000,

0.3254

0.2474

326.2733, 0.2628,
0.3257

0.0000, 0.0000,
0.0000

49.9668, 0.2223,
0.3201

49.9668, 0.2223,
0.3201

49.9512, 0.2222,
0.3201

50.4311, 0.2239,
0.3210

51.0812, 0.2270,
0.3219

51.9758, 0.2318,
0.3229

53.1481, 0.2386,
0.3238

54.6262, 0.2473,
0.3248

■ 56.4344, 0.2579,
0.3257

■ 58.5949, 0.2700,
0.3266

■ 61.1278, 0.2835,
0.3275

■ 64.0518, 0.2980,
0.3283

Harmonies

Analogous

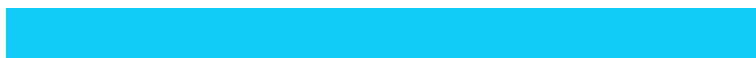
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.9668, 0.2582, 0.3789



49.9668, 0.2223, 0.3201



49.9668, 0.2095, 0.2715

Triad

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



49.9668, 0.2223, 0.3201



49.9668, 0.3062, 0.2539



49.9668, 0.4102, 0.4106

Complementary

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



49.9668, 0.2223, 0.3201



14.4465, 0.6378, 0.3313

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.



49.9668, 0.4278, 0.3705



49.9668, 0.2223, 0.3201



49.9668, 0.3650, 0.2846

Square

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



49.9668, 0.2223, 0.3201



49.9668, 0.2542, 0.2392



49.9668, 0.4113, 0.3258



49.9668, 0.3665, 0.4331

Rectangle

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



49.9668, 0.2223, 0.3201



49.9668, 0.2144, 0.2508



49.9668, 0.4113, 0.3258



49.9668, 0.4195, 0.3984

Sweetspot

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



49.9686, 0.2223, 0.3201



86.8972, 0.2691, 0.3266



48.1063, 0.2998, 0.5989



18.2961, 0.2638, 0.3262



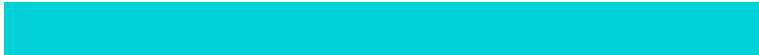
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



49.9686, 0.2223, 0.3201



74.2428, 0.2222, 0.3200



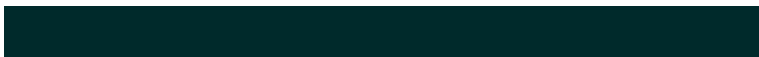
14.7366, 0.1755, 0.1513



14.0450, 0.2983, 0.3283



30.2208, 0.2223, 0.3202



1.8421, 0.2227, 0.3218

Inverse Universe

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



18.8680, 0.3281, 0.1582



28.0260, 0.3282, 0.1582



25.6625, 0.5364, 0.4119



12.6264, 0.3142, 0.3067



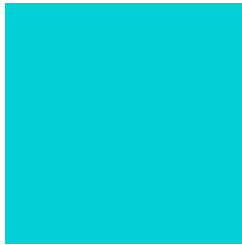
11.3957, 0.3280, 0.1581



0.6893, 0.3267, 0.1573

Previews

White Background



This preview shows how the Yxy color 49.9668, 0.2223, 0.3201 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 49.9668, 0.2223, 0.3201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

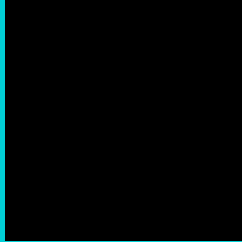
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

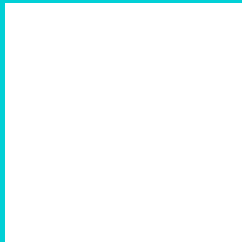
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.9668, 0.2223, 0.3201

Background



This preview shows how black text looks on a background with the Yxy color 49.9668, 0.2223, 0.3201.

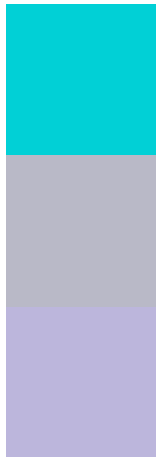


This preview shows how white text looks on a background with the Yxy color 49.9668, 0.2223, 0.3201.

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

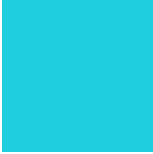
49.9732, 0.2223, 0.3201

Protanopia

49.1357, 0.3021, 0.3114

Deuteranopia

49.3146, 0.2891, 0.2830



Tritanopia

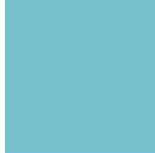
50.2447, 0.2207, 0.3063

Trichromacy



Original Color

49.9732, 0.2223, 0.3201



Protanomaly

46.3511, 0.2532, 0.3134



Deuteranomaly

46.3166, 0.2462, 0.2921



Tritanomaly

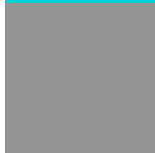
49.9417, 0.2207, 0.3103

Monochromacy



Original Color

49.9732, 0.2223, 0.3201



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

33.6959, 0.2527, 0.3256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9668, 0.2223, 0.3201 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(1, 208, 214)` looks like.

```
.text, #text, p{  
    color:rgb(1, 208, 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(1, 208, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 208, 214) }
```

Border

The CSS property to change the border of an element to Yxy 49.9668, 0.2223, 0.3201 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(1, 208, 214) }
```

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

```
.border{ border-color:rgb(1, 208, 214) }
```

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

Here you see how a box with a 4 pixel rgb(1, 208, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 208, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 208, 214);  
box-shadow:4px 4px 4px 4px rgb(1, 208,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9668, 0.2223, 0.3201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 208, 214) }
```

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

```
.background{ background-color: rgb(1, 208,  
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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