

Converting Colors

$Y_{xy}(50.1750, 0.2269, 0.3366)$

Have a look what the booklet for
Yxy(50.1750, 0.2269, 0.3366)
contains.

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Color

Yxy(49.9670, 0.2268, 0.3361)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 02D1CC |
| RGB | 2, 209, 204 |
| RGB Percent | 1%, 82%, 80% |
| CMY | 0.9928, 0.1804, 0.2001 |
| CMYK | 0.99, 0.00, 0.02, 0.18 |
| HSL | 179°, 98%, 41% |
| HSV | 179°, 99%, 82% |
| XYZ | 33.7177, 49.9670, 64.9824 |
| YIQ | 146.5370, -121.7670, -45.4390 |

Conversions

Conversions Part 2

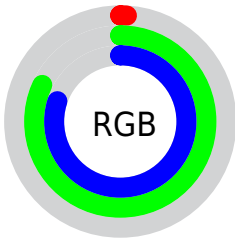
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 2, 107, 209 |
| Decimal | 184780 |
| CIE _{Lab} | 76.05, -42.81, -9.68 |
| CIE _{LCh} | 76, 43.893, 192.743 |
| Yxy | 49.9670, 0.2268, 0.3361 |
| Android (android.graphics.Color) | 4278374860 (0xFF02D1CC) |
| YUV | 146.5370, 28.3293, -126.7589 |
| Hunter-Lab | 70.6873, -38.5588, -5.0237 |

Details

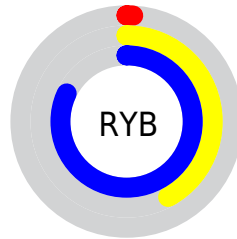
The Yxy color **49.9670, 0.2268, 0.3361** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **13.6096, 0.6366, 0.3288**, and the grayscale version is **28.8731, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9281, 0.2408, 0.3288**, and **25.3132, 0.2268, 0.3365** is the 20% darker color. If you saturate the color by 10%, you get **49.9548, 0.2267, 0.3362**, and if you desaturate by 10%, it is **50.1604, 0.2280, 0.3353**.

Distribution



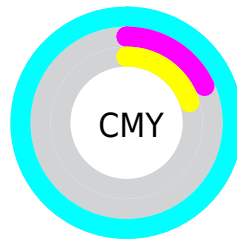
- Red (1%)
- Green (82%)
- Blue (80%)



- Red (1%)
- Yellow (42%)
- Blue (82%)



- Cyan (99%)
- Magenta (0%)
- Yellow (2%)
- Black (18%)





- Cyan (99%)
- Magenta (18%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9670, 0.2268, 0.3361 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 49.9670, 0.2268, 0.3361 by changing the saturation by 10% instead.


 49.9670, 0.2268,
0.3361

 49.9670, 0.2268,
0.3361


386.5369, 0.2681,
0.3338


 35.3872, 0.2171,
0.3363


 90.1260, 0.2414,
0.3355

 23.9613, 0.2049,
0.3364


 116.4739, 0.2470,
0.3352

 15.3049, 0.1893,
0.3361


 147.5134, 0.2518,
0.3350

 9.0336, 0.1687,
0.3351

 183.6287, 0.2559,
0.3347

 4.7631, 0.1407,
0.3323

 225.2043, 0.2596,
0.3344

 2.1090, 0.0993,
0.3255

272.6246, 0.2627,

 0.6697, 0.0000,

0.3342

0.3120

326.2740, 0.2656,
0.3340

■ 0.0000, 0.0000,
0.0000

■ 49.9670, 0.2268,
0.3361

■ 49.9670, 0.2268,
0.3361

■ 49.9548, 0.2267,
0.3362

■ 50.1604, 0.2280,
0.3353

■ 50.5333, 0.2307,
0.3346

■ 51.1385, 0.2352,
0.3338

■ 52.0068, 0.2416,
0.3330

■ 53.1646, 0.2499,
0.3322

■ 54.6347, 0.2600,
0.3315

■ 56.4380, 0.2717,
0.3308

■ 58.5933, 0.2849,
0.3301

■ 61.1182, 0.2991,
0.3295

Harmonies

Analogous

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



49.9670, 0.2696, 0.3965



49.9670, 0.2268, 0.3361



49.9670, 0.2070, 0.2808

Triad

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



49.9670, 0.2268, 0.3361



49.9670, 0.2897, 0.2453



49.9670, 0.4221, 0.4031

Complementary

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



49.9670, 0.2268, 0.3361



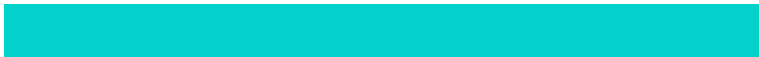
13.6096, 0.6366, 0.3288

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.



49.9670, 0.4314, 0.3591



49.9670, 0.2268, 0.3361



49.9670, 0.3506, 0.2729

Square

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



49.9670, 0.2268, 0.3361



49.9670, 0.2404, 0.2352



49.9670, 0.4047, 0.3131



49.9670, 0.3826, 0.4335

Rectangle

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



49.9670, 0.2268, 0.3361



49.9670, 0.2075, 0.2552



49.9670, 0.4047, 0.3131



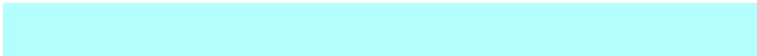
49.9670, 0.4290, 0.3892

Sweetspot

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



49.9689, 0.2268, 0.3361



88.1456, 0.2702, 0.3309



45.6587, 0.3006, 0.5989



18.6006, 0.2651, 0.3312



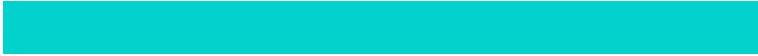
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



49.9689, 0.2268, 0.3361



78.3490, 0.2267, 0.3363



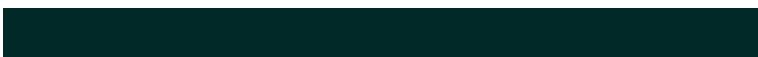
16.2754, 0.1805, 0.1692



13.4020, 0.2986, 0.3295



30.8048, 0.2267, 0.3361



1.7240, 0.2263, 0.3346

Inverse Universe

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



13.6096, 0.6366, 0.3288



21.2735, 0.6384, 0.3290



22.3907, 0.5499, 0.4008



11.8128, 0.3287, 0.3285



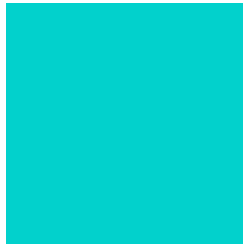
8.3667, 0.6372, 0.3284



0.4695, 0.6279, 0.3233

Previews

White Background



This preview shows how the Yxy color 49.9670, 0.2268, 0.3361 looks on a white background.

Color Contrast Check

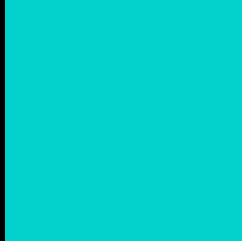
Large Text (above 18pt) WCAG AA × Fail

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 49.9670, 0.2268, 0.3361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

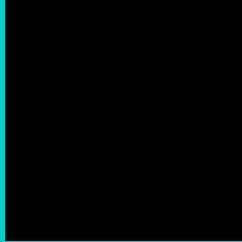
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

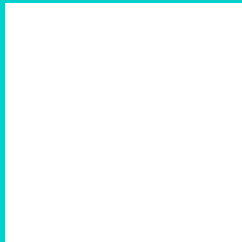
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.9670, 0.2268, 0.3361

Background



This preview shows how black text looks on a background with the Yxy color 49.9670, 0.2268, 0.3361.

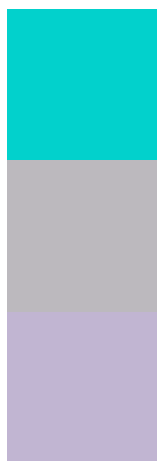


This preview shows how white text looks on a background with the Yxy color 49.9670, 0.2268, 0.3361.

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

49.9735, 0.2268, 0.3361

Protanopia

49.1070, 0.3113, 0.3227

Deuteranopia

49.0383, 0.3003, 0.2937



Tritanopia

49.9626, 0.2218, 0.3049

Trichromacy



Original Color

49.9735, 0.2268, 0.3361



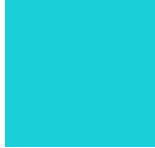
Protanomaly

46.5168, 0.2596, 0.3274



Deuteranomaly

46.0266, 0.2533, 0.3053



Tritanomaly

49.8165, 0.2229, 0.3159

Monochromacy



Original Color

49.9735, 0.2268, 0.3361



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

33.5456, 0.2552, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9670, 0.2268, 0.3361 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(2, 209, 204)` looks like.

```
.text, #text, p{  
    color:rgb(2, 209, 204)  
}
```

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(2, 209, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 209, 204) }
```

Border

The CSS property to change the border of an element to Yxy 49.9670, 0.2268, 0.3361 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(2, 209, 204) }
```

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

```
.border{ border-color:rgb(2, 209, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 209, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(2, 209, 204); -webkit-box-shadow:4px 4px 4px 4px rgb(2, 209, 204); box-shadow:4px 4px 4px 4px rgb(2, 209, 204) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9670, 0.2268, 0.3361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 209, 204) }
```

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

```
.background{ background-color: rgb(2, 209,  
204) }
```

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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