

Converting Colors

$Yxy(43.0714, 0.1336, 0.3516)$

Have a look what the booklet for
Yxy(43.0714, 0.1336, 0.3516)
contains.

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Color

Yxy(52.3574, 0.2295, 0.3462)

Conversions

Conversions Part 1

Format	Color
Hex	00D6CA
RGB	0, 214, 202
RGB Percent	0%, 84%, 79%
CMY	1.0000, 0.1608, 0.2077
CMYK	1.00, 0.00, 0.06, 0.16
HSL	177°, 100%, 42%
HSV	177°, 100%, 84%
XYZ	34.7083, 52.3574, 64.1688
YIQ	148.6460, -123.6920, -49.1000

Conversions

Conversions Part 2

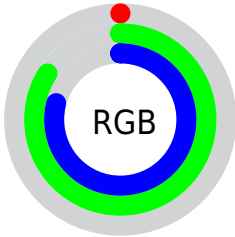
Format	Color
RYB	0, 110, 214
Decimal	54986
CIELab	77.49, -45.61, -6.48
CIELCh	77, 46.066, 188.092
Yxy	52.3574, 0.2295, 0.3462
Android (android.graphics.Color)	4278245066 (0xFF00D6CA)
YUV	148.6460, 26.3035, -130.3625
Hunter-Lab	72.3584, -41.0057, -1.9286

Details

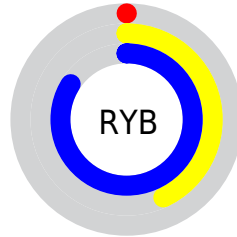
The Yxy color **52.3574, 0.2295, 0.3462** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **14.3230, 0.6351, 0.3272**, and the grayscale version is **29.8267, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9281, 0.2408, 0.3288**, and **26.5918, 0.2300, 0.3481** is the 20% darker color. If you saturate the color by 10%, you get **52.3599, 0.2295, 0.3462**, and if you desaturate by 10%, it is **52.5807, 0.2303, 0.3444**.

Distribution



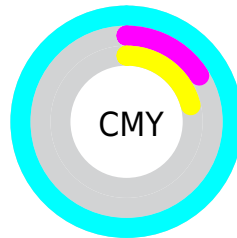
- Red (0%)
- Green (84%)
- Blue (79%)



- Red (0%)
- Yellow (43%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (16%)




- Cyan (100%)
- Magenta (16%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.3574, 0.2295, 0.3462 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 52.3574, 0.2295, 0.3462 by changing the saturation by 10% instead.


 52.3574, 0.2295,
0.3462


 52.3574, 0.2295,
0.3462

395.8148, 0.2694,
0.3387


 37.2900, 0.2201,
0.3477


 93.6581, 0.2436,
0.3437


 25.4321, 0.2084,
0.3495


 120.6603, 0.2490,
0.3427


 16.3993, 0.1934,
0.3516


 152.4094, 0.2536,
0.3418

 9.8071, 0.1736,
0.3539

 189.2901, 0.2576,
0.3411

 5.2713, 0.1467,
0.3561

 231.6865, 0.2611,
0.3404

 2.4073, 0.1079,
0.3571

279.9832, 0.2642,

 0.8296, 0.0000,

0.3398

0.3701

334.5645, 0.2669,
0.3392

■ 0.0000, 0.0000,
0.0000

■ 52.3574, 0.2295,
0.3462

■ 52.3574, 0.2295,
0.3462

■ 52.3599, 0.2295,
0.3462

■ 52.5807, 0.2303,
0.3444

■ 52.9836, 0.2326,
0.3425

■ 53.6289, 0.2367,
0.3406

■ 54.5500, 0.2428,
0.3388

■ 55.7751, 0.2507,
0.3369

■ 57.3288, 0.2604,
0.3352

■ 59.2332, 0.2718,
0.3335

■ 61.5087, 0.2844,
0.3319

■ 64.1739, 0.2982,
0.3304

Harmonies

Analogous

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



52.3574, 0.2765, 0.4073



52.3574, 0.2295, 0.3462



52.3574, 0.2053, 0.2867

Triad

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



52.3574, 0.2295, 0.3462



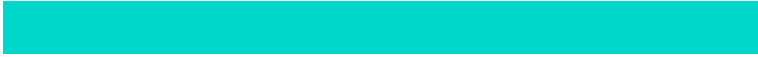
52.3574, 0.2798, 0.2400



52.3574, 0.4293, 0.3985

Complementary

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



52.3574, 0.2295, 0.3462



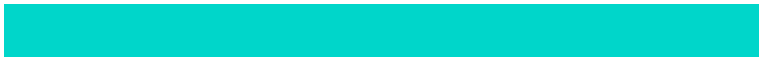
14.3230, 0.6351, 0.3272

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.



52.3574, 0.4335, 0.3522



52.3574, 0.2295, 0.3462



52.3574, 0.3419, 0.2658

Square

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



52.3574, 0.2295, 0.3462



52.3574, 0.2321, 0.2328



52.3574, 0.4005, 0.3055



52.3574, 0.3925, 0.4335

Rectangle

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



52.3574, 0.2295, 0.3462



52.3574, 0.2033, 0.2579



52.3574, 0.4005, 0.3055



52.3574, 0.4348, 0.3837

Sweetspot

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



52.3599, 0.2295, 0.3462



87.9915, 0.2714, 0.3335



48.1899, 0.3012, 0.5990



18.5631, 0.2664, 0.3342



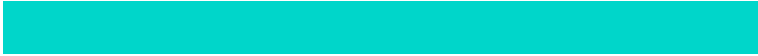
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



52.3599, 0.2295, 0.3462



77.8547, 0.2296, 0.3464



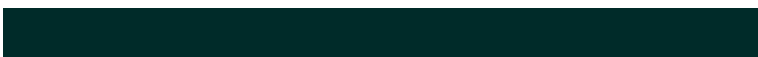
18.5952, 0.1831, 0.1791



14.0953, 0.2990, 0.3303



31.6526, 0.2294, 0.3459



1.9129, 0.2285, 0.3427

Inverse Universe

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



14.3230, 0.6351, 0.3272



21.2924, 0.6360, 0.3277



22.0787, 0.5617, 0.3922



12.4320, 0.3282, 0.3277



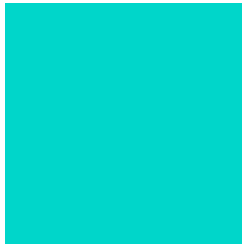
8.6620, 0.6336, 0.3264



0.5265, 0.6140, 0.3156

Previews

White Background



This preview shows how the Yxy color 52.3574, 0.2295, 0.3462 looks on a white background.

Color Contrast Check

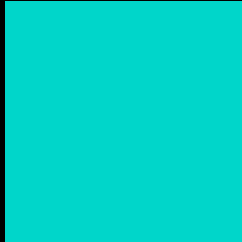
Large Text (above 18pt) WCAG AA × Fail

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 52.3574, 0.2295, 0.3462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

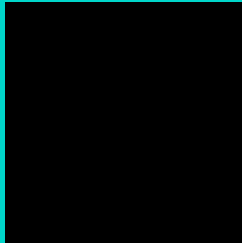
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

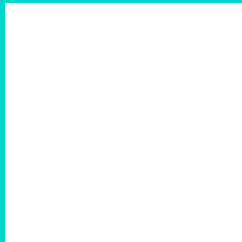
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.3574, 0.2295, 0.3462

Background



This preview shows how black text looks on a background with the Yxy color 52.3574, 0.2295, 0.3462.

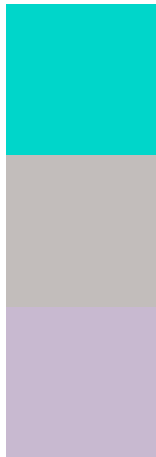


This preview shows how white text looks on a background with the Yxy color 52.3574, 0.2295, 0.3462.

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

52.3574, 0.2295, 0.3462

Protanopia

51.4524, 0.3184, 0.3315

Deuteranopia

51.5314, 0.3074, 0.3015



Tritanopia

52.2676, 0.2228, 0.3054

Trichromacy



Original Color

52.3574, 0.2295, 0.3462



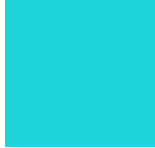
Protanomaly

48.4049, 0.2640, 0.3373



Deuteranomaly

48.4481, 0.2578, 0.3151



Tritanomaly

51.9418, 0.2242, 0.3189

Monochromacy



Original Color

52.3574, 0.2295, 0.3462



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

35.1472, 0.2563, 0.3370

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.3574, 0.2295, 0.3462 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, 214, 202)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 202)  
}
```

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, 214, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 202) }
```

Border

The CSS property to change the border of an element to Yxy 52.3574, 0.2295, 0.3462 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, 214, 202) }
```

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

```
.border{ border-color:rgb(0, 214, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 214, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 214, 202); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 214, 202); box-shadow:4px 4px 4px 4px rgb(0, 214, 202) }
```


Background

The CSS property to change the background color of an element to Yxy 52.3574, 0.2295, 0.3462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 214, 202) }
```

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

```
.background{ background-color: rgb(0, 214,  
202) }
```

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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