

Converting Colors

$Yxy(44.4924, 0.2173, 0.3024)$

Have a look what the booklet for
Yxy(44.4924, 0.2173, 0.3024)
contains.

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Color

Yxy(44.3349, 0.2173, 0.3022)

Conversions

Conversions Part 1

Format	Color
Hex	00C4D6
RGB	0, 196, 214
RGB Percent	0%, 77%, 84%
CMY	0.9988, 0.2314, 0.1608
CMYK	1.00, 0.08, 0.00, 0.16
HSL	185°, 100%, 42%
HSV	185°, 100%, 84%
XYZ	31.8795, 44.3349, 70.4928
YIQ	139.4480, -122.5940, -35.9540

Conversions

Conversions Part 2

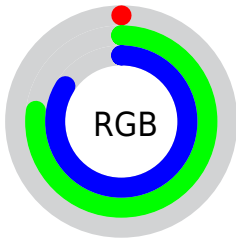
Format	Color
R _{YB}	0, 102, 214
Decimal	50390
CIE Lab	72.45, -33.86, -20.52
CIE LCh	72, 39.590, 211.211
Yxy	44.3349, 0.2173, 0.3022
Android (android.graphics.Color)	4278240470 (0xFF00C4D6)
YUV	139.4480, 36.7541, -122.2959
Hunter-Lab	66.5845, -31.0602, -16.1610

Details

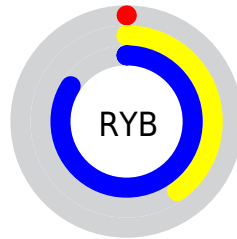
The Yxy color **44.3349, 0.2173, 0.3022** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **14.7389, 0.6343, 0.3344**, and the grayscale version is **25.9282, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5964, 0.2400, 0.3265**, and **21.8492, 0.2154, 0.2954** is the 20% darker color. If you saturate the color by 10%, you get **44.3229, 0.2173, 0.3022**, and if you desaturate by 10%, it is **45.3198, 0.2195, 0.3050**.

Distribution



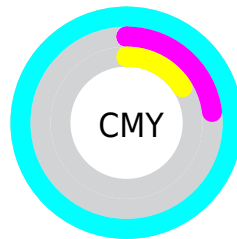
- Red (0%)
- Green (77%)
- Blue (84%)



- Red (0%)
- Yellow (40%)
- Blue (84%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (16%)




- Cyan (100%)
- Magenta (23%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.3349, 0.2173, 0.3022 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 44.3349, 0.2173, 0.3022 by changing the saturation by 10% instead.

 44.3349, 0.2173,
0.3022


 44.3349, 0.2173,
0.3022

364.0732, 0.2635,
0.3173

 30.9339, 0.2064,
0.2980


 81.7214, 0.2336,
0.3080

 20.5485, 0.1928,
0.2924


 106.4758, 0.2399,
0.3101


 12.7944, 0.1754,
0.2845


 135.7833, 0.2453,
0.3118

 7.2871, 0.1526,
0.2730

 170.0285, 0.2499,
0.3133

 3.6423, 0.1220,
0.2549

 209.5956, 0.2539,
0.3145

 1.4756, 0.0739,
0.2255

254.8692, 0.2575,

 0.2714, 0.0000,

0.3156

0.1222

306.2336, 0.2606,
0.3165

■ 0.0000, 0.0000,
0.0000

■ 44.3349, 0.2173,
0.3022

■ 44.3349, 0.2173,
0.3022

■ 44.3229, 0.2173,
0.3022

■ 45.3198, 0.2195,
0.3050

■ 46.4962, 0.2232,
0.3079

■ 47.9250, 0.2287,
0.3108

■ 49.6394, 0.2362,
0.3137

■ 51.6676, 0.2455,
0.3166

■ 54.0342, 0.2566,
0.3193

■ 56.7614, 0.2691,
0.3220

■ 59.8694, 0.2829,
0.3245

■ 63.3769, 0.2976,
0.3269

Harmonies

Analogous

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



44.3349, 0.2451, 0.3583



44.3349, 0.2173, 0.3022



44.3349, 0.2128, 0.2612

Triad

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



44.3349, 0.2173, 0.3022



44.3349, 0.3261, 0.2642



44.3349, 0.3957, 0.4191

Complementary

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



44.3349, 0.2173, 0.3022



14.7389, 0.6343, 0.3344

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.



44.3349, 0.4228, 0.3843



44.3349, 0.2173, 0.3022



44.3349, 0.3817, 0.2986

Square

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



44.3349, 0.2173, 0.3022



44.3349, 0.2713, 0.2439



44.3349, 0.4183, 0.3410



44.3349, 0.3474, 0.4314

Rectangle

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



44.3349, 0.2173, 0.3022



44.3349, 0.2228, 0.2459



44.3349, 0.4183, 0.3410



44.3349, 0.4077, 0.4092

Sweetspot

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



44.3365, 0.2173, 0.3022



84.2221, 0.2685, 0.3219



48.1377, 0.2987, 0.5951



17.6451, 0.2631, 0.3208



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.



44.3365, 0.2173, 0.3022



65.7946, 0.2172, 0.3019



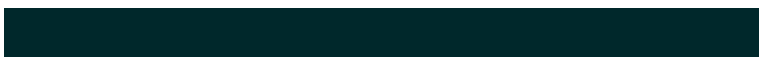
12.0590, 0.1694, 0.1298



13.9206, 0.2983, 0.3270



26.8664, 0.2174, 0.3026



1.6744, 0.2188, 0.3075

Inverse Universe

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



18.2878, 0.3435, 0.1666



27.1732, 0.3438, 0.1667



28.9532, 0.5174, 0.4273



12.6138, 0.3151, 0.3079



11.0570, 0.3431, 0.1664



0.6723, 0.3389, 0.1640

Previews

White Background



This preview shows how the Yxy color 44.3349, 0.2173, 0.3022 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 44.3349, 0.2173, 0.3022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

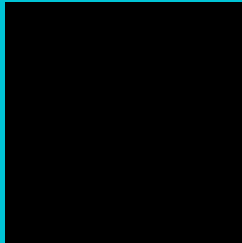
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.3349, 0.2173, 0.3022

Background



This preview shows how black text looks on a background with the Yxy color 44.3349, 0.2173, 0.3022.



This preview shows how white text looks on a background with the Yxy color 44.3349, 0.2173, 0.3022.

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

44.3349, 0.2173, 0.3022

Protanopia

43.6007, 0.2906, 0.2963

Deuteranopia

43.7723, 0.2768, 0.2708



Tritanopia

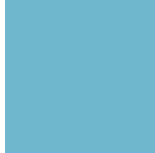
44.2333, 0.2181, 0.3050

Trichromacy



Original Color

44.3349, 0.2173, 0.3022



Protanomaly

41.5897, 0.2457, 0.2972



Deuteranomaly

41.3725, 0.2387, 0.2784



Tritanomaly

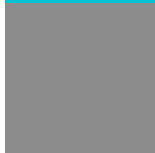
44.2840, 0.2177, 0.3036

Monochromacy



Original Color

44.3349, 0.2173, 0.3022



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

30.0555, 0.2495, 0.3169

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.3349, 0.2173, 0.3022 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, 196, 214)` looks like.

```
.text, #text, p{  
    color:rgb(0, 196, 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(0, 196, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 196, 214) }
```

Border

The CSS property to change the border of an element to Yxy 44.3349, 0.2173, 0.3022 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, 196, 214) }
```

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

```
.border{ border-color:rgb(0, 196, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 196, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 196, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 196, 214);  
box-shadow:4px 4px 4px 4px rgb(0, 196,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 44.3349, 0.2173, 0.3022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 196, 214) }
```

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

```
.background{ background-color: rgb(0, 196,  
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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