

Converting Colors

$Y_{xy}(43.5131, 0.2131, 0.2872)$

Have a look what the booklet for
Yxy(43.5131, 0.2131, 0.2872)
contains.

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Color

Yxy(43.4139, 0.2130, 0.2866)

Conversions

Conversions Part 1

Format	Color
Hex	01C1DE
RGB	1, 193, 222
RGB Percent	0%, 76%, 87%
CMY	0.9963, 0.2432, 0.1293
CMYK	1.00, 0.13, 0.00, 0.13
HSL	188°, 99%, 44%
HSV	188°, 100%, 87%
XYZ	32.2650, 43.4139, 75.8001
YIQ	138.8980, -123.7410, -31.6850

Conversions

Conversions Part 2

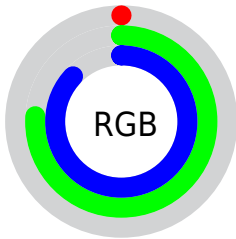
Format	Color
RYB	1, 104, 222
Decimal	115166
CIELab	71.83, -29.81, -25.82
CIELCh	72, 39.432, 220.897
Yxy	43.4139, 0.2130, 0.2866
Android (android.graphics.Color)	4278305246 (0xFF01C1DE)
YUV	138.8980, 40.9693, -120.9365
Hunter-Lab	65.8892, -27.8972, -22.0858

Details

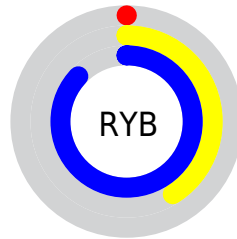
The Yxy color **43.4139, 0.2130, 0.2866** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **16.4617, 0.6289, 0.3384**, and the grayscale version is **25.6423, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7794, 0.2395, 0.3230**, and **21.2553, 0.2098, 0.2751** is the 20% darker color. If you saturate the color by 10%, you get **43.3553, 0.2129, 0.2864**, and if you desaturate by 10%, it is **44.8949, 0.2157, 0.2912**.

Distribution



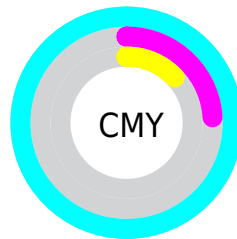
- Red (0%)
- Green (76%)
- Blue (87%)



- Red (0%)
- Yellow (41%)
- Blue (87%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (13%)





- Cyan (100%)
- Magenta (24%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.4139, 0.2130, 0.2866 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 43.4139, 0.2130, 0.2866 by changing the saturation by 10% instead.


 43.4139, 0.2130,
0.2866


 43.4139, 0.2130,
0.2866


360.3112, 0.2611,
0.3095

 30.2100, 0.2017,
0.2805


 80.3351, 0.2300,
0.2952


 19.9980, 0.1876,
0.2725


 104.8211, 0.2365,
0.2984

 12.3936, 0.1698,
0.2617


 133.8367, 0.2421,
0.3010

 7.0123, 0.1466,
0.2463

 167.7662, 0.2470,
0.3032

 3.4698, 0.1158,
0.2232

 206.9940, 0.2512,
0.3051

 1.3817, 0.0702,
0.1874

251.9045, 0.2549,

 0.2031, 0.0000,

0.3068

0.0762

302.8821, 0.2582,
0.3082

■ 0.0000, 0.0000,
0.0000

■ 43.4139, 0.2130,
0.2866

■ 43.4139, 0.2130,
0.2866

■ 43.3553, 0.2129,
0.2864

■ 44.8949, 0.2157,
0.2912

■ 46.6040, 0.2200,
0.2958

■ 48.6039, 0.2262,
0.3004

■ 50.9310, 0.2344,
0.3051

■ 53.6161, 0.2443,
0.3096

■ 56.6863, 0.2560,
0.3140

■ 60.1658, 0.2690,
0.3182

■ 64.0769, 0.2831,
0.3221

■ 68.4399, 0.2980,
0.3258

Harmonies

Analogous

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



43.4139, 0.2335, 0.3395



43.4139, 0.2130, 0.2866



43.4139, 0.2161, 0.2523

Triad

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



43.4139, 0.2130, 0.2866



43.4139, 0.3450, 0.2739



43.4139, 0.3819, 0.4265

Complementary

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



43.4139, 0.2130, 0.2866



16.4617, 0.6289, 0.3384

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.



43.4139, 0.4175, 0.3972



43.4139, 0.2130, 0.2866



43.4139, 0.3967, 0.3116

Square

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



43.4139, 0.2130, 0.2866



43.4139, 0.2878, 0.2484



43.4139, 0.4239, 0.3553



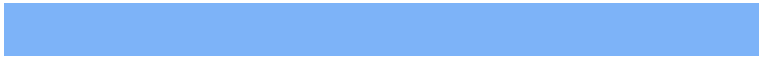
43.4139, 0.3296, 0.4286

Rectangle

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



43.4139, 0.2130, 0.2866



43.4139, 0.2310, 0.2418



43.4139, 0.4239, 0.3553



43.4139, 0.3963, 0.4190

Sweetspot

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



43.4154, 0.2130, 0.2866



82.0212, 0.2681, 0.3179



52.3374, 0.2979, 0.5920



17.1112, 0.2624, 0.3162



0.0000, 0.0000, 0.0000



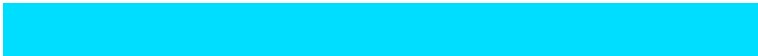
21.4041, 0.3127, 0.3290

Same Dimension

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



43.4154, 0.2130, 0.2866



59.2045, 0.2128, 0.2861



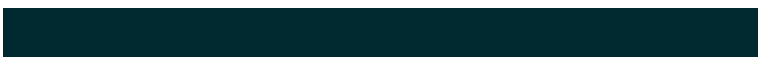
11.8861, 0.1668, 0.1201



15.2492, 0.2982, 0.3258



25.8641, 0.2131, 0.2871



1.8793, 0.2151, 0.2942

Inverse Universe

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



19.4028, 0.3574, 0.1744



26.5079, 0.3579, 0.1745



33.5032, 0.5077, 0.4348



13.9030, 0.3158, 0.3089



11.5190, 0.3570, 0.1740



0.8072, 0.3506, 0.1705

Previews

White Background



This preview shows how the Yxy color 43.4139, 0.2130, 0.2866 looks on a white background.

Color Contrast Check

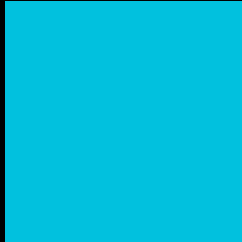
Large Text (above 18pt) WCAG AA × Fail

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 43.4139, 0.2130, 0.2866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

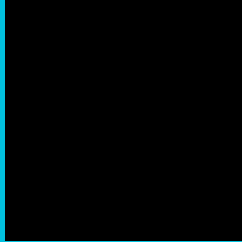
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.4139, 0.2130, 0.2866

Background



This preview shows how black text looks on a background with the Yxy color 43.4139, 0.2130, 0.2866.

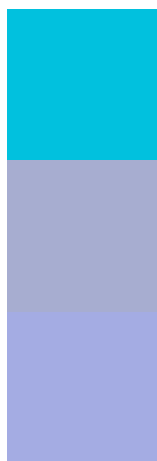


This preview shows how white text looks on a background with the Yxy color 43.4139, 0.2130, 0.2866.

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

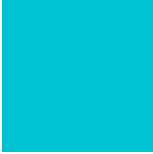
43.4203, 0.2130, 0.2866

Protanopia

42.6567, 0.2806, 0.2832

Deuteranopia

42.9436, 0.2654, 0.2595



Tritanopia

43.2367, 0.2180, 0.3048

Trichromacy



Original Color

43.4203, 0.2130, 0.2866



Protanomaly

40.5724, 0.2390, 0.2819



Deuteranomaly

41.0820, 0.2319, 0.2666



Tritanomaly

43.4386, 0.2164, 0.2991

Monochromacy



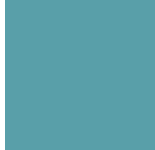
Original Color

43.4203, 0.2130, 0.2866



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

29.7847, 0.2479, 0.3119

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.4139, 0.2130, 0.2866 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, 193, 222)` looks like.

```
.text, #text, p{  
    color:rgb(1, 193, 222)  
}
```

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, 193, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 193, 222) }
```

Border

The CSS property to change the border of an element to Yxy 43.4139, 0.2130, 0.2866 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, 193, 222) }
```

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

```
.border{ border-color:rgb(1, 193, 222) }
```

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

Here you see how a box with a 4 pixel rgb(1, 193, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 193, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 193, 222);  
box-shadow:4px 4px 4px 4px rgb(1, 193,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 43.4139, 0.2130, 0.2866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 193, 222) }
```

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

```
.background{ background-color: rgb(1, 193,  
222) }
```

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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