

Converting Colors

$Y_{xy}(49.1957, 0.2140, 0.2904)$

Have a look what the booklet for
Yxy(49.1957, 0.2140, 0.2904)
contains.

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Color

Yxy(49.0119, 0.2139, 0.2899)

Conversions

Conversions Part 1

Format	Color
Hex	01CCE8
RGB	1, 204, 232
RGB Percent	0%, 80%, 91%
CMY	0.9973, 0.2000, 0.0902
CMYK	1.00, 0.12, 0.00, 0.09
HSL	187°, 99%, 46%
HSV	187°, 100%, 91%
XYZ	36.1630, 49.0119, 83.8900
YIQ	146.4950, -129.9760, -34.3280

Conversions

Conversions Part 2

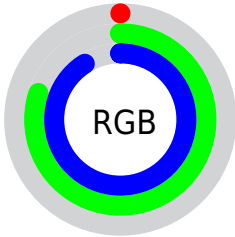
Format	Color
RYB	1, 109, 232
Decimal	117992
CIELab	75.46, -31.91, -25.66
CIELCh	75, 40.949, 218.806
Yxy	49.0119, 0.2139, 0.2899
Android (android.graphics.Color)	4278308072 (0xFF01CCE8)
YUV	146.4950, 42.1540, -127.5991
Hunter-Lab	70.0085, -30.3105, -22.0402

Details

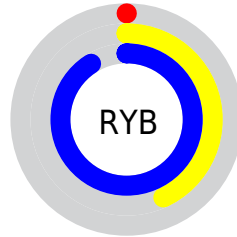
The Yxy color **49.0119, 0.2139, 0.2899** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **18.0193, 0.6307, 0.3371**, and the grayscale version is **28.7806, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1195, 0.2417, 0.3288**, and **24.6295, 0.2110, 0.2797** is the 20% darker color. If you saturate the color by 10%, you get **48.9692, 0.2138, 0.2898**, and if you desaturate by 10%, it is **50.5489, 0.2164, 0.2941**.

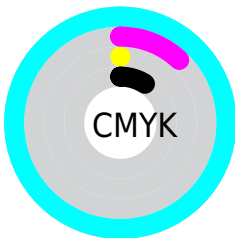
Distribution



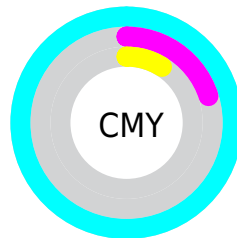
- Red (0%)
- Green (80%)
- Blue (91%)



- Red (0%)
- Yellow (43%)
- Blue (91%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (9%)





- Cyan (100%)
- Magenta (20%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.0119, 0.2139, 0.2899 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 49.0119, 0.2139, 0.2899 by changing the saturation by 10% instead.


 49.0119, 0.2139,
0.2899


 49.0119, 0.2139,
0.2899

382.7892, 0.2607,
0.3107

 34.6289, 0.2031,
0.2845


 88.7091, 0.2302,
0.2977

 23.3772, 0.1899,
0.2774

 114.7922, 0.2365,
0.3006


 14.8723, 0.1732,
0.2678


 145.5440, 0.2420,
0.3029

 8.7298, 0.1518,
0.2545

 181.3491, 0.2467,
0.3050

 4.5653, 0.1237,
0.2348

 222.5917, 0.2508,
0.3067

 1.9946, 0.0866,
0.2038

269.6563, 0.2545,

 0.6043, 0.0000,

0.3082

0.1529

322.9274, 0.2577,
0.3096

■ 0.0000, 0.0000,
0.0000

■ 49.0119, 0.2139,
0.2899

■ 49.0119, 0.2139,
0.2899

■ 48.9692, 0.2138,
0.2898

■ 50.5489, 0.2164,
0.2941

■ 52.3336, 0.2206,
0.2983

■ 54.4354, 0.2266,
0.3026

■ 56.8950, 0.2345,
0.3069

■ 59.7470, 0.2444,
0.3111

■ 63.0214, 0.2559,
0.3151

■ 66.7452, 0.2688,
0.3190

■ 70.9432, 0.2829,
0.3226

■ 75.6382, 0.2978,
0.3260

Harmonies

Analogous

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



49.0119, 0.2360, 0.3436



49.0119, 0.2139, 0.2899



49.0119, 0.2154, 0.2542

Triad

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



49.0119, 0.2139, 0.2899



49.0119, 0.3409, 0.2718



49.0119, 0.3850, 0.4250

Complementary

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



49.0119, 0.2139, 0.2899



18.0193, 0.6307, 0.3371

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.



49.0119, 0.4187, 0.3944



49.0119, 0.2139, 0.2899



49.0119, 0.3935, 0.3088

Square

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



49.0119, 0.2139, 0.2899



49.0119, 0.2842, 0.2475



49.0119, 0.4228, 0.3522



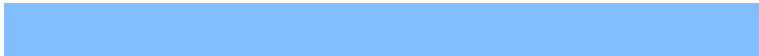
49.0119, 0.3334, 0.4293

Rectangle

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



49.0119, 0.2139, 0.2899



49.0119, 0.2292, 0.2427



49.0119, 0.4228, 0.3522



49.0119, 0.3988, 0.4169

Sweetspot

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



49.0137, 0.2139, 0.2899



82.4982, 0.2682, 0.3188



57.7945, 0.2979, 0.5924



17.2268, 0.2626, 0.3172



0.0000, 0.0000, 0.0000



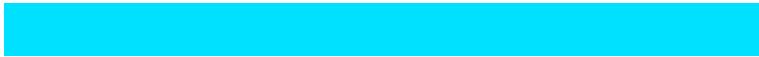
21.4041, 0.3127, 0.3290

Same Dimension

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



49.0137, 0.2139, 0.2899



60.6045, 0.2138, 0.2896



13.0346, 0.1666, 0.1195



16.0229, 0.2982, 0.3261



27.3130, 0.2140, 0.2905



2.1026, 0.2157, 0.2966

Inverse Universe

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



21.5287, 0.3544, 0.1727



26.6492, 0.3547, 0.1728



36.8989, 0.5082, 0.4345



14.5836, 0.3156, 0.3086



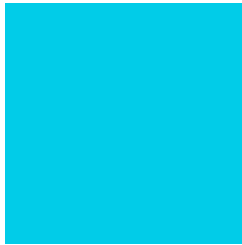
11.9550, 0.3539, 0.1723



0.8919, 0.3484, 0.1693

Previews

White Background



This preview shows how the Yxy color 49.0119, 0.2139, 0.2899 looks on a white background.

Color Contrast Check

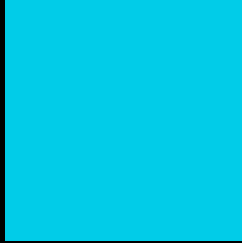
Large Text (above 18pt) WCAG AA × Fail

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 49.0119, 0.2139, 0.2899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

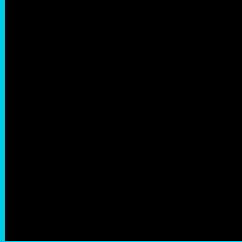
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.0119, 0.2139, 0.2899

Background



This preview shows how black text looks on a background with the Yxy color 49.0119, 0.2139, 0.2899.

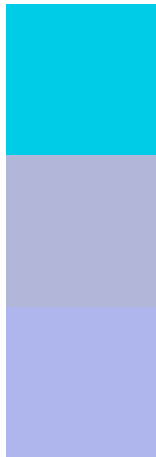


This preview shows how white text looks on a background with the Yxy color 49.0119, 0.2139, 0.2899.

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

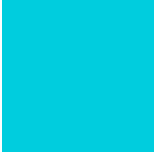
49.0184, 0.2139, 0.2899

Protanopia

48.3417, 0.2836, 0.2867

Deuteranopia

48.2761, 0.2681, 0.2615



Tritanopia

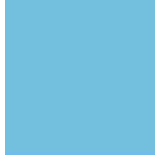
48.9366, 0.2180, 0.3046

Trichromacy



Original Color

49.0184, 0.2139, 0.2899



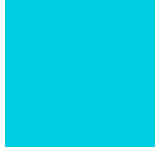
Protanomaly

46.1129, 0.2410, 0.2867



Deuteranomaly

45.8381, 0.2331, 0.2680



Tritanomaly

49.1536, 0.2165, 0.2992

Monochromacy



Original Color

49.0184, 0.2139, 0.2899



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

33.1389, 0.2478, 0.3126

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0119, 0.2139, 0.2899 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, 204, 232)` looks like.

```
.text, #text, p{  
    color:rgb(1, 204, 232)  
}
```

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, 204, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 204, 232) }
```

Border

The CSS property to change the border of an element to Yxy 49.0119, 0.2139, 0.2899 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, 204, 232) }
```

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

```
.border{ border-color:rgb(1, 204, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 204, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 204, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 204, 232);  
box-shadow:4px 4px 4px 4px rgb(1, 204,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0119, 0.2139, 0.2899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 204, 232) }
```

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

```
.background{ background-color: rgb(1, 204,  
232) }
```

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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