

Converting Colors

$Y_{xy}(49.8515, 0.2138, 0.2896)$

Have a look what the booklet for
Yxy(49.8515, 0.2138, 0.2896)
contains.

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Color

Yxy(50.0831, 0.2140, 0.2902)

Conversions

Conversions Part 1

Format	Color
Hex	01CEEA
RGB	1, 206, 234
RGB Percent	0%, 81%, 92%
CMY	0.9958, 0.1922, 0.0823
CMYK	1.00, 0.12, 0.00, 0.08
HSL	187°, 99%, 46%
HSV	187°, 100%, 92%
XYZ	36.9324, 50.0831, 85.5658
YIQ	147.8970, -131.1680, -34.7520

Conversions

Conversions Part 2

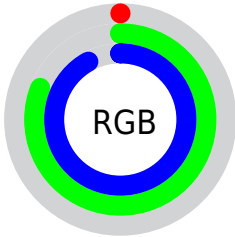
Format	Color
RYB	1, 110, 234
Decimal	118506
CIELab	76.12, -32.21, -25.73
CIELCh	76, 41.228, 218.624
Yxy	50.0831, 0.2140, 0.2902
Android (android.graphics.Color)	4278308586 (0xFF01CEEA)
YUV	147.8970, 42.4488, -128.8287
Hunter-Lab	70.7694, -30.6928, -22.1477

Details

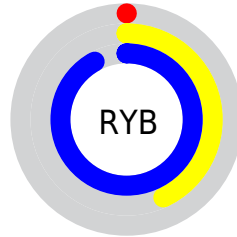
The Yxy color **50.0831, 0.2140, 0.2902** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **18.3785, 0.6305, 0.3371**, and the grayscale version is **29.4357, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1195, 0.2417, 0.3288**, and **25.3476, 0.2112, 0.2802** is the 20% darker color. If you saturate the color by 10%, you get **50.0165, 0.2139, 0.2900**, and if you desaturate by 10%, it is **51.6452, 0.2165, 0.2944**.

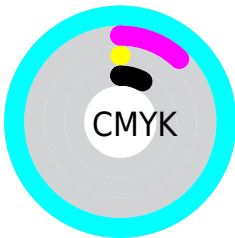
Distribution



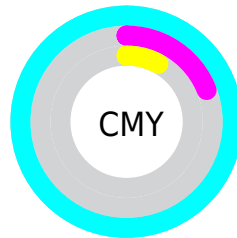
- Red (0%)
- Green (81%)
- Blue (92%)



- Red (0%)
- Yellow (43%)
- Blue (92%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (8%)





- Cyan (100%)
- Magenta (19%)
- Yellow (8%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 50.0831, 0.2140, 0.2902 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 50.0831, 0.2140, 0.2902 by changing the saturation by 10% instead.


 50.0831, 0.2140,
0.2902


 50.0831, 0.2140,
0.2902

 386.9908, 0.2605,
0.3108

 35.4794, 0.2033,
0.2848


 90.2980, 0.2302,
0.2979


 24.0324, 0.1902,
0.2779


 116.6780, 0.2365,
0.3007


 15.3577, 0.1737,
0.2685


 147.7522, 0.2419,
0.3031

 9.0708, 0.1526,
0.2554

 183.9051, 0.2466,
0.3051

 4.7874, 0.1249,
0.2362

 225.5210, 0.2507,
0.3068

 2.1231, 0.0885,
0.2062

 272.9843, 0.2544,

 0.6775, 0.0000,

0.3083

0.1604

326.6795, 0.2576,
0.3097

■ 0.0000, 0.0000,
0.0000

■ 50.0831, 0.2140,
0.2902

■ 50.0831, 0.2140,
0.2902

■ 50.0165, 0.2139,
0.2900

■ 51.6452, 0.2165,
0.2944

■ 53.4620, 0.2207,
0.2986

■ 55.6027, 0.2267,
0.3028

■ 58.1089, 0.2347,
0.3071

■ 61.0156, 0.2445,
0.3112

■ 64.3536, 0.2561,
0.3152

■ 68.1504, 0.2690,
0.3191

■ 72.4313, 0.2831,
0.3227

■ 77.2195, 0.2980,
0.3261

Harmonies

Analogous

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



50.0831, 0.2362, 0.3439



50.0831, 0.2140, 0.2902



50.0831, 0.2154, 0.2544

Triad

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



50.0831, 0.2140, 0.2902



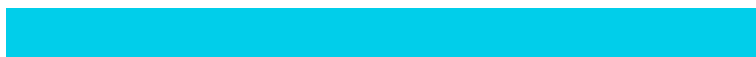
50.0831, 0.3405, 0.2716



50.0831, 0.3852, 0.4248

Complementary

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



50.0831, 0.2140, 0.2902



18.3785, 0.6305, 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.



50.0831, 0.4188, 0.3941



50.0831, 0.2140, 0.2902



50.0831, 0.3932, 0.3086

Square

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



50.0831, 0.2140, 0.2902



50.0831, 0.2839, 0.2474



50.0831, 0.4226, 0.3519



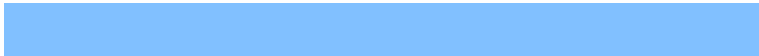
50.0831, 0.3338, 0.4294

Rectangle

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



50.0831, 0.2140, 0.2902



50.0831, 0.2290, 0.2428



50.0831, 0.4226, 0.3519



50.0831, 0.3990, 0.4167

Sweetspot

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



50.0849, 0.2140, 0.2902



82.5335, 0.2682, 0.3189



58.9408, 0.2979, 0.5923



17.2353, 0.2626, 0.3173



0.0000, 0.0000, 0.0000



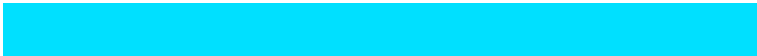
21.4041, 0.3127, 0.3290

Same Dimension

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



50.0849, 0.2140, 0.2902



60.7088, 0.2138, 0.2898



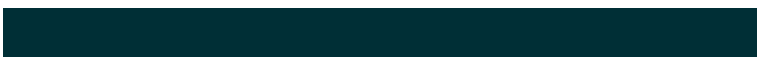
13.3206, 0.1667, 0.1197



16.7946, 0.2981, 0.3261



28.2289, 0.2141, 0.2907



2.3039, 0.2157, 0.2965

Inverse Universe

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



21.9722, 0.3541, 0.1726



26.6597, 0.3545, 0.1726



37.6585, 0.5080, 0.4346



15.2808, 0.3156, 0.3085



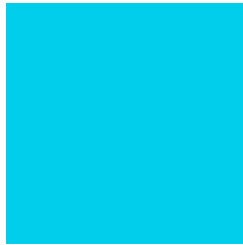
12.3425, 0.3537, 0.1722



0.9780, 0.3485, 0.1694

Previews

White Background



This preview shows how the Yxy color 50.0831, 0.2140, 0.2902 looks on a white background.

Color Contrast Check

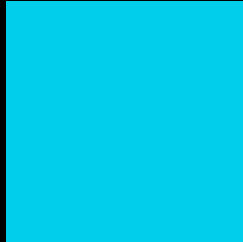
Large Text (above 18pt) WCAG AA × Fail

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 50.0831, 0.2140, 0.2902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

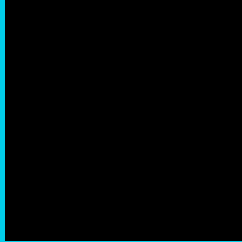
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.0831, 0.2140, 0.2902

Background



This preview shows how black text looks on a background with the Yxy color 50.0831, 0.2140, 0.2902.



This preview shows how white text looks on a background with the Yxy color 50.0831, 0.2140, 0.2902.

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

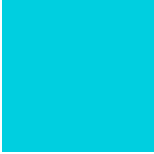
50.0896, 0.2140, 0.2902

Protanopia

49.3961, 0.2831, 0.2870

Deuteranopia

49.3291, 0.2678, 0.2620



Tritanopia

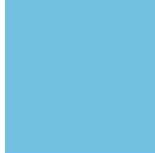
50.0075, 0.2180, 0.3048

Trichromacy



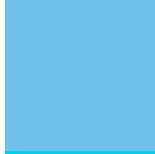
Original Color

50.0896, 0.2140, 0.2902



Protanomaly

47.0992, 0.2405, 0.2870



Deuteranomaly

46.8208, 0.2327, 0.2684



Tritanomaly

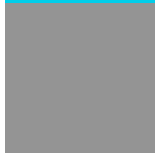
50.2271, 0.2165, 0.2995

Monochromacy



Original Color

50.0896, 0.2140, 0.2902



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

34.0635, 0.2483, 0.3128

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0831, 0.2140, 0.2902 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, 206, 234)` looks like.

```
.text, #text, p{  
    color:rgb(1, 206, 234)  
}
```

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, 206, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 206, 234) }
```

Border

The CSS property to change the border of an element to Yxy 50.0831, 0.2140, 0.2902 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, 206, 234) }
```

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

```
.border{ border-color:rgb(1, 206, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 206, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 206, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 206, 234);  
box-shadow:4px 4px 4px 4px rgb(1, 206,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 50.0831, 0.2140, 0.2902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 206, 234) }
```

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

```
.background{ background-color: rgb(1, 206,  
234) }
```

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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