

Converting Colors

$Y_{xy}(43.8904, 0.2135, 0.2885)$

Have a look what the booklet for
Yxy(43.8904, 0.2135, 0.2885)
contains.

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Color

Yxy(43.8575, 0.2134, 0.2882)

Conversions

Conversions Part 1

Format	Color
Hex	00C2DE
RGB	0, 194, 222
RGB Percent	0%, 76%, 87%
CMY	0.9996, 0.2392, 0.1295
CMYK	1.00, 0.13, 0.00, 0.13
HSL	188°, 100%, 44%
HSV	188°, 100%, 87%
XYZ	32.4746, 43.8575, 75.8452
YIQ	139.1860, -124.6120, -32.4200

Conversions

Conversions Part 2

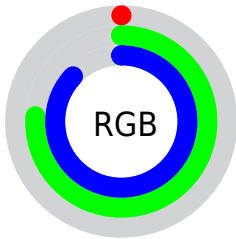
Format	Color
RYB	0, 104, 222
Decimal	49886
CIELab	72.13, -30.34, -25.34
CIELCh	72, 39.526, 219.868
Yxy	43.8575, 0.2134, 0.2882
Android (android.graphics.Color)	4278239966 (0xFF00C2DE)
YUV	139.1860, 40.8273, -122.0661
Hunter-Lab	66.2250, -28.3630, -21.5453

Details

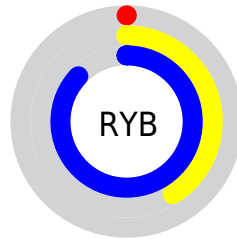
The Yxy color **43.8575, 0.2134, 0.2882** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **16.3607, 0.6303, 0.3377**, and the grayscale version is **25.7825, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4025, 0.2397, 0.3241**, and **21.5462, 0.2103, 0.2771** is the 20% darker color. If you saturate the color by 10%, you get **43.8526, 0.2134, 0.2882**, and if you desaturate by 10%, it is **45.2900, 0.2160, 0.2926**.

Distribution



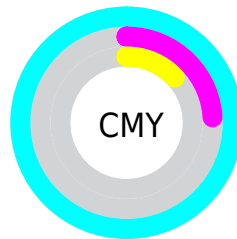
- Red (0%)
- Green (76%)
- Blue (87%)



- 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 43.8575, 0.2134, 0.2882 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 43.8575, 0.2134, 0.2882 by changing the saturation by 10% instead.


 43.8575, 0.2134,
0.2882


 43.8575, 0.2134,
0.2882


362.1265, 0.2613,
0.3102


 30.5585, 0.2022,
0.2823


 81.0033, 0.2303,
0.2965

 20.2629, 0.1882,
0.2746


 105.6188, 0.2368,
0.2996


 12.5863, 0.1704,
0.2641


 134.7754, 0.2424,
0.3021

 7.1443, 0.1474,
0.2492

 168.8573, 0.2472,
0.3042

 3.5525, 0.1168,
0.2267

 208.2489, 0.2514,
0.3061

 1.4265, 0.0720,
0.1917

253.3348, 0.2551,

 0.2362, 0.0000,

0.3076

0.0873

304.4991, 0.2584,
0.3090

■ 0.0000, 0.0000,
0.0000

■ 43.8575, 0.2134,
0.2882

■ 43.8575, 0.2134,
0.2882

■ 43.8526, 0.2134,
0.2882

■ 45.2900, 0.2160,
0.2926

■ 46.9438, 0.2202,
0.2970

■ 48.8848, 0.2262,
0.3014

■ 51.1496, 0.2342,
0.3059

■ 53.7692, 0.2441,
0.3102

■ 56.7708, 0.2556,
0.3145

■ 60.1786, 0.2685,
0.3185

■ 64.0148, 0.2826,
0.3223

■ 68.3002, 0.2974,
0.3258

Harmonies

Analogous

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



43.8575, 0.2347, 0.3415



43.8575, 0.2134, 0.2882



43.8575, 0.2157, 0.2532

Triad

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



43.8575, 0.2134, 0.2882



43.8575, 0.3430, 0.2728



43.8575, 0.3835, 0.4258

Complementary

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



43.8575, 0.2134, 0.2882



16.3607, 0.6303, 0.3377

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.



43.8575, 0.4181, 0.3958



43.8575, 0.2134, 0.2882



43.8575, 0.3952, 0.3102

Square

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



43.8575, 0.2134, 0.2882



43.8575, 0.2860, 0.2479



43.8575, 0.4234, 0.3538



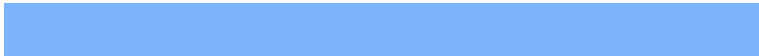
43.8575, 0.3315, 0.4290

Rectangle

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



43.8575, 0.2134, 0.2882



43.8575, 0.2301, 0.2422



43.8575, 0.4234, 0.3538



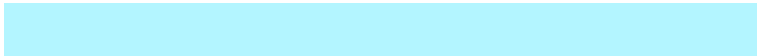
43.8575, 0.3976, 0.4180

Sweetspot

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



43.8591, 0.2134, 0.2882



82.2640, 0.2681, 0.3184



52.3064, 0.2979, 0.5924



17.1700, 0.2625, 0.3167



0.0000, 0.0000, 0.0000



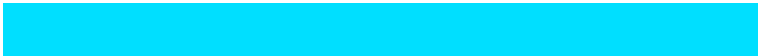
21.4041, 0.3127, 0.3290

Same Dimension

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



43.8591, 0.2134, 0.2882



59.9149, 0.2133, 0.2879



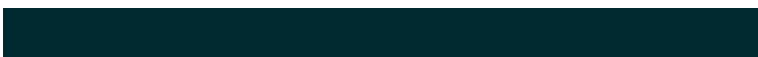
11.7950, 0.1665, 0.1195



15.2620, 0.2982, 0.3260



26.1667, 0.2136, 0.2888



1.8974, 0.2155, 0.2956

Inverse Universe

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



19.4237, 0.3560, 0.1735



26.5796, 0.3563, 0.1736



33.3970, 0.5082, 0.4346



13.9043, 0.3157, 0.3088



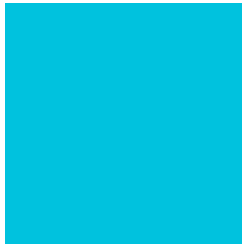
11.5496, 0.3554, 0.1731



0.8090, 0.3493, 0.1698

Previews

White Background



This preview shows how the Yxy color 43.8575, 0.2134, 0.2882 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 43.8575, 0.2134, 0.2882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

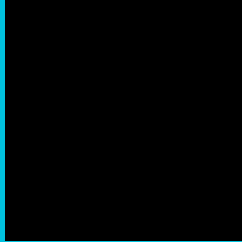
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

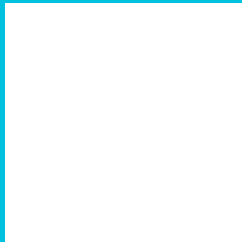
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.8575, 0.2134, 0.2882

Background



This preview shows how black text looks on a background with the Yxy color 43.8575, 0.2134, 0.2882.



This preview shows how white text looks on a background with the Yxy color 43.8575, 0.2134, 0.2882.

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

43.8575, 0.2134, 0.2882

Protanopia

43.2612, 0.2823, 0.2848

Deuteranopia

43.4325, 0.2663, 0.2609



Tritanopia

43.7334, 0.2180, 0.3049

Trichromacy



Original Color

43.8575, 0.2134, 0.2882



Protanomaly

41.0400, 0.2398, 0.2834



Deuteranomaly

41.4872, 0.2322, 0.2680



Tritanomaly

43.9365, 0.2165, 0.2993

Monochromacy



Original Color

43.8575, 0.2134, 0.2882



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

29.7356, 0.2473, 0.3118

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.8575, 0.2134, 0.2882 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, 194, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 194, 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(0, 194, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 194, 222) }
```

Border

The CSS property to change the border of an element to Yxy 43.8575, 0.2134, 0.2882 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, 194, 222) }
```

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

```
.border{ border-color:rgb(0, 194, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 194, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 194, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 194, 222);  
box-shadow:4px 4px 4px 4px rgb(0, 194,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 43.8575, 0.2134, 0.2882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 194, 222) }
```

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

```
.background{ background-color: rgb(0, 194,  
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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