

Converting Colors

$Y_{xy}(41.1870, 0.2130, 0.2868)$

Have a look what the booklet for
Yxy(41.1870, 0.2130, 0.2868)
contains.

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Color

Yxy(41.4049, 0.2131, 0.2872)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00BDD9 |
| RGB | 0, 189, 217 |
| RGB Percent | 0%, 74%, 85% |
| CMY | 1.0000, 0.2588, 0.1489 |
| CMYK | 1.00, 0.13, 0.00, 0.15 |
| HSL | 188°, 100%, 43% |
| HSV | 188°, 100%, 85% |
| XYZ | 30.7221, 41.4049, 72.0405 |
| YIQ | 135.6810, -121.6320, -31.3600 |

Conversions

Conversions Part 2

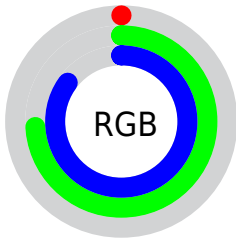
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 101, 217 |
| Decimal | 48601 |
| CIELab | 70.46, -29.52, -25.21 |
| CIELCh | 70, 38.822, 220.491 |
| Yxy | 41.4049, 0.2131, 0.2872 |
| Android (android.graphics.Color) | 4278238681 (0xFF00BDD9) |
| YUV | 135.6810, 40.0903, -118.9922 |
| Hunter-Lab | 64.3466, -27.3824, -21.3366 |

Details

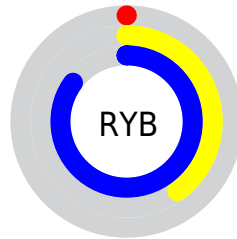
The Yxy color **41.4049, 0.2131, 0.2872** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **15.5888, 0.6298, 0.3381**, and the grayscale version is **24.3790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1957, 0.2378, 0.3182**, and **19.9366, 0.2099, 0.2755** is the 20% darker color. If you saturate the color by 10%, you get **41.4083, 0.2131, 0.2872**, and if you desaturate by 10%, it is **42.7932, 0.2158, 0.2917**.

Distribution



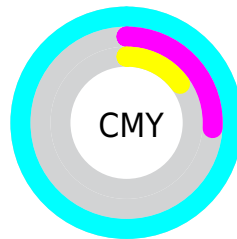
- Red (0%)
- Green (74%)
- Blue (85%)



- Red (0%)
- Yellow (40%)
- Blue (85%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (15%)





- Cyan (100%)
- Magenta (26%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.4049, 0.2131, 0.2872 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 41.4049, 0.2131, 0.2872 by changing the saturation by 10% instead.


 41.4049, 0.2131,
0.2872


 41.4049, 0.2131,
0.2872


352.0101, 0.2616,
0.3099

 28.6356, 0.2016,
0.2811


 77.2982, 0.2303,
0.2958


 18.8053, 0.1872,
0.2730


 101.1909, 0.2369,
0.2990

 11.5297, 0.1689,
0.2620


 129.5603, 0.2425,
0.3016

 6.4243, 0.1450,
0.2461

 162.7907, 0.2474,
0.3038

 3.1048, 0.1130,
0.2221

 201.2664, 0.2516,
0.3056

 1.1867, 0.0593,
0.1854

245.3720, 0.2553,

 0.0508, 0.0000,

0.3073

0.0237

295.4917, 0.2586,
0.3087

■ 0.0000, 0.0000,
0.0000

■ 41.4049, 0.2131,
0.2872

■ 41.4049, 0.2131,
0.2872

■ 41.4083, 0.2131,
0.2872

■ 42.7932, 0.2158,
0.2917

■ 44.3895, 0.2200,
0.2962

■ 46.2593, 0.2261,
0.3008

■ 48.4373, 0.2341,
0.3053

■ 50.9528, 0.2440,
0.3098

■ 53.8316, 0.2556,
0.3141

■ 57.0965, 0.2685,
0.3182

■ 60.7687, 0.2825,
0.3221

■ 64.8676, 0.2974,
0.3257

Harmonies

Analogous

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



41.4049, 0.2339, 0.3403



41.4049, 0.2131, 0.2872



41.4049, 0.2159, 0.2526

Triad

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



41.4049, 0.2131, 0.2872



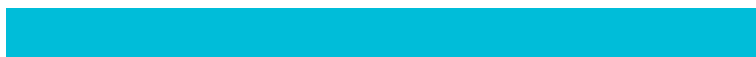
41.4049, 0.3442, 0.2734



41.4049, 0.3826, 0.4263

Complementary

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



41.4049, 0.2131, 0.2872



15.5888, 0.6298, 0.3381

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.



41.4049, 0.4178, 0.3967



41.4049, 0.2131, 0.2872



41.4049, 0.3962, 0.3111

Square

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



41.4049, 0.2131, 0.2872



41.4049, 0.2871, 0.2482



41.4049, 0.4238, 0.3547



41.4049, 0.3304, 0.4288

Rectangle

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



41.4049, 0.2131, 0.2872



41.4049, 0.2306, 0.2419



41.4049, 0.4238, 0.3547



41.4049, 0.3969, 0.4187

Sweetspot

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



41.4083, 0.2131, 0.2872



82.1217, 0.2681, 0.3181



49.7146, 0.2979, 0.5923



17.1355, 0.2625, 0.3164



0.0000, 0.0000, 0.0000



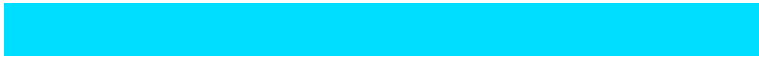
21.4041, 0.3127, 0.3290

Same Dimension

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



41.4083, 0.2131, 0.2872



59.4980, 0.2130, 0.2868



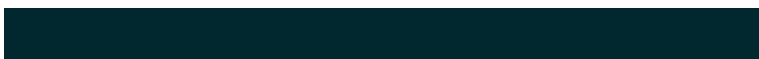
11.2281, 0.1666, 0.1196



14.5276, 0.2982, 0.3259



25.1676, 0.2133, 0.2879



1.7122, 0.2153, 0.2952

Inverse Universe

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



18.4312, 0.3569, 0.1740



26.5375, 0.3572, 0.1742



31.7621, 0.5082, 0.4347



13.2444, 0.3157, 0.3089



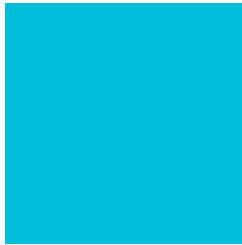
11.1644, 0.3563, 0.1736



0.7315, 0.3497, 0.1700

Previews

White Background



This preview shows how the Yxy color 41.4049, 0.2131, 0.2872 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 41.4049, 0.2131, 0.2872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

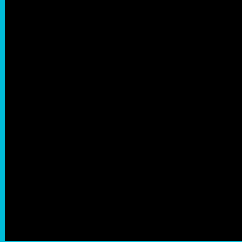
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.4049, 0.2131, 0.2872

Background



This preview shows how black text looks on a background with the Yxy color 41.4049, 0.2131, 0.2872.

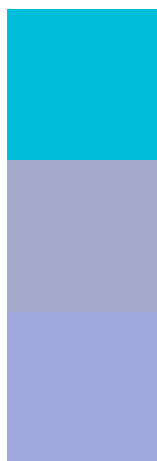


This preview shows how white text looks on a background with the Yxy color 41.4049, 0.2131, 0.2872.

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

41.4049, 0.2131, 0.2872

Protanopia

41.0016, 0.2809, 0.2838

Deuteranopia

40.8563, 0.2659, 0.2594



Tritanopia

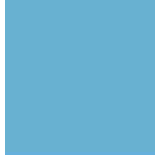
41.2831, 0.2179, 0.3044

Trichromacy



Original Color

41.4049, 0.2131, 0.2872



Protanomaly

38.9908, 0.2386, 0.2825



Deuteranomaly

39.0428, 0.2317, 0.2666



Tritanomaly

41.4801, 0.2163, 0.2986

Monochromacy



Original Color

41.4049, 0.2131, 0.2872



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

28.1855, 0.2480, 0.3115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.4049, 0.2131, 0.2872 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, 189, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 217)  
}
```

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, 189, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 217) }
```

Border

The CSS property to change the border of an element to Yxy 41.4049, 0.2131, 0.2872 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, 189, 217) }
```

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

```
.border{ border-color:rgb(0, 189, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 189, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 189,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 41.4049, 0.2131, 0.2872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 189, 217) }
```

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

```
.background{ background-color: rgb(0, 189,  
217) }
```

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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