

Converting Colors

$Y_{xy}(39.7757, 0.1984, 0.2886)$

Have a look what the booklet for
Yxy(39.7757, 0.1984, 0.2886)
contains.

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Color

Yxy(41.3015, 0.2139, 0.2900)

Conversions

Conversions Part 1

Format	Color
Hex	00BDD7
RGB	0, 189, 215
RGB Percent	0%, 74%, 84%
CMY	0.9996, 0.2588, 0.1569
CMYK	1.00, 0.12, 0.00, 0.16
HSL	187°, 100%, 42%
HSV	187°, 100%, 84%
XYZ	30.4634, 41.3015, 70.6540
YIQ	135.4530, -120.9900, -31.9820

Conversions

Conversions Part 2

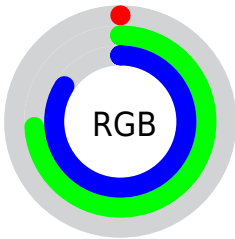
Format	Color
RYB	0, 101, 215
Decimal	48599
CIELab	70.39, -30.18, -24.21
CIELCh	70, 38.689, 218.733
Yxy	41.3015, 0.2139, 0.2900
Android (android.graphics.Color)	4278238679 (0xFF00BDD7)
YUV	135.4530, 39.2167, -118.7923
Hunter-Lab	64.2662, -27.8535, -20.1968

Details

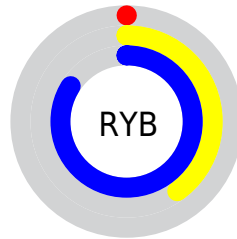
The Yxy color **41.3015, 0.2139, 0.2900** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **15.1899, 0.6307, 0.3374**, and the grayscale version is **24.3025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1957, 0.2378, 0.3182**, and **19.8660, 0.2109, 0.2791** is the 20% darker color. If you saturate the color by 10%, you get **41.2972, 0.2139, 0.2900**, and if you desaturate by 10%, it is **42.5974, 0.2165, 0.2942**.

Distribution



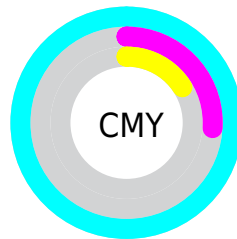
- Red (0%)
- Green (74%)
- Blue (84%)



- Red (0%)
- Yellow (40%)
- Blue (84%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (16%)





- Cyan (100%)
- Magenta (26%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.3015, 0.2139, 0.2900 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 41.3015, 0.2139, 0.2900 by changing the saturation by 10% instead.

 41.3015, 0.2139,
0.2900


 41.3015, 0.2139,
0.2900


351.5792, 0.2621,
0.3114


 28.5547, 0.2024,
0.2842


 77.1414, 0.2310,
0.2981


 18.7443, 0.1881,
0.2765


 101.0033, 0.2376,
0.3011


 11.4856, 0.1698,
0.2660


 129.3390, 0.2432,
0.3035

 6.3945, 0.1459,
0.2507

 162.5330, 0.2480,
0.3056

 3.0864, 0.1138,
0.2273

 200.9696, 0.2522,
0.3073

 1.1770, 0.0580,
0.1916

245.0332, 0.2559,

 0.0428, 0.0000,

0.3089

0.0213

295.1083, 0.2592,
0.3102

■ 0.0000, 0.0000,
0.0000

■ 41.3015, 0.2139,
0.2900

■ 41.3015, 0.2139,
0.2900

■ 41.2972, 0.2139,
0.2900

■ 42.5974, 0.2165,
0.2942

■ 44.0962, 0.2206,
0.2984

■ 45.8601, 0.2266,
0.3026

■ 47.9228, 0.2346,
0.3069

■ 50.3129, 0.2443,
0.3110

■ 53.0556, 0.2558,
0.3151

■ 56.1731, 0.2686,
0.3189

■ 59.6862, 0.2826,
0.3226

■ 63.6138, 0.2975,
0.3259

Harmonies

Analogous

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



41.3015, 0.2360, 0.3437



41.3015, 0.2139, 0.2900



41.3015, 0.2153, 0.2542

Triad

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



41.3015, 0.2139, 0.2900



41.3015, 0.3407, 0.2717



41.3015, 0.3851, 0.4249

Complementary

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



41.3015, 0.2139, 0.2900



15.1899, 0.6307, 0.3374

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.



41.3015, 0.4188, 0.3943



41.3015, 0.2139, 0.2900



41.3015, 0.3934, 0.3087

Square

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



41.3015, 0.2139, 0.2900



41.3015, 0.2841, 0.2474



41.3015, 0.4228, 0.3521



41.3015, 0.3336, 0.4294

Rectangle

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



41.3015, 0.2139, 0.2900



41.3015, 0.2291, 0.2427



41.3015, 0.4228, 0.3521



41.3015, 0.3990, 0.4169

Sweetspot

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



41.3030, 0.2139, 0.2900



82.5014, 0.2682, 0.3188



48.6713, 0.2979, 0.5922



17.2276, 0.2626, 0.3172



0.0000, 0.0000, 0.0000



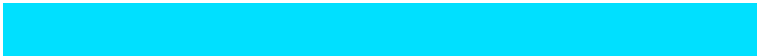
21.4041, 0.3127, 0.3290

Same Dimension

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



41.3030, 0.2139, 0.2900



60.6140, 0.2138, 0.2896



11.0135, 0.1666, 0.1198



13.8395, 0.2983, 0.3261



24.8057, 0.2141, 0.2906



1.5700, 0.2161, 0.2978

Inverse Universe

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



18.1231, 0.3543, 0.1726



26.6502, 0.3547, 0.1728



31.1180, 0.5080, 0.4348



12.6056, 0.3156, 0.3088



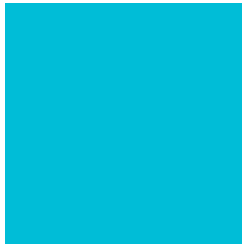
10.8490, 0.3538, 0.1723



0.6618, 0.3473, 0.1687

Previews

White Background



This preview shows how the Yxy color 41.3015, 0.2139, 0.2900 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 41.3015, 0.2139, 0.2900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

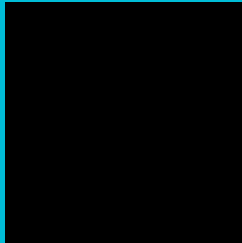
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.3015, 0.2139, 0.2900

Background



This preview shows how black text looks on a background with the Yxy color 41.3015, 0.2139, 0.2900.

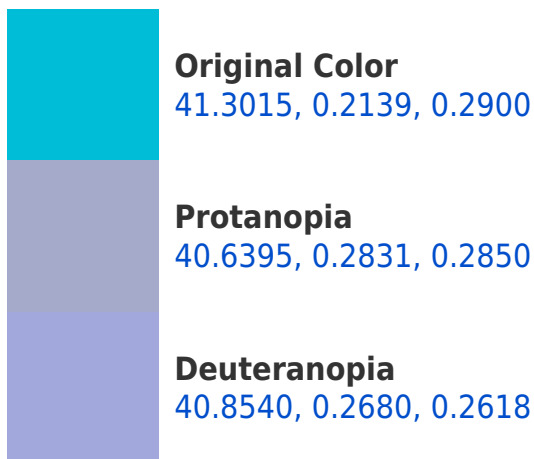


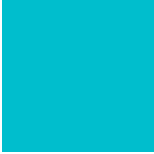
This preview shows how white text looks on a background with the Yxy color 41.3015, 0.2139, 0.2900.

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





Tritanopia

41.2347, 0.2183, 0.3058

Trichromacy



Original Color

41.3015, 0.2139, 0.2900



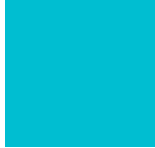
Protanomaly

38.5589, 0.2399, 0.2837



Deuteranomaly

38.9962, 0.2332, 0.2692



Tritanomaly

41.4304, 0.2167, 0.3000

Monochromacy



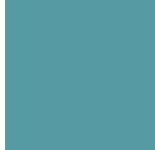
Original Color

41.3015, 0.2139, 0.2900



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

28.1015, 0.2481, 0.3132

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.3015, 0.2139, 0.2900 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, 215)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 215)  
}
```

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, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 215) }
```

Border

The CSS property to change the border of an element to Yxy 41.3015, 0.2139, 0.2900 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, 215) }
```

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

```
.border{ border-color:rgb(0, 189, 215) }
```

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, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 215);  
box-shadow:4px 4px 4px 4px rgb(0, 189,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 41.3015, 0.2139, 0.2900 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, 215) }
```

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

```
.background{ background-color: rgb(0, 189,  
215) }
```

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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