

Converting Colors

$Y_{xy}(30.7710, 0.1166, 0.2754)$

Have a look what the booklet for
Yxy(30.7710, 0.1166, 0.2754)
contains.

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Color

Yxy(39.0851, 0.2125, 0.2849)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00B8D5 |
| RGB | 0, 184, 213 |
| RGB Percent | 0%, 72%, 84% |
| CMY | 0.9985, 0.2784, 0.1647 |
| CMYK | 1.00, 0.14, 0.00, 0.16 |
| HSL | 188°, 100%, 42% |
| HSV | 188°, 100%, 84% |
| XYZ | 29.1526, 39.0851, 68.9511 |
| YIQ | 132.2900, -118.9730, -29.9890 |

Conversions

Conversions Part 2

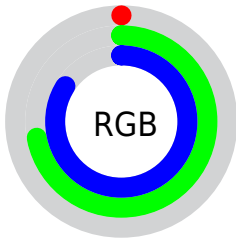
| Format | Color |
|-------------------------------------|--|
| RYB | 0, 99, 213 |
| Decimal | 47317 |
| CIELab | 68.81, -28.38, -25.52 |
| CIELCh | 69, 38.163, 221.965 |
| Yxy | 39.0851, 0.2125, 0.2849 |
| Android (android.graphics.Color) | 4278237397 (0xFF00B8D5) |
| YUV | 132.2900, 39.7900, -116.0183 |
| Hunter-Lab | 62.5181, -26.1708, -21.6282 |

Details

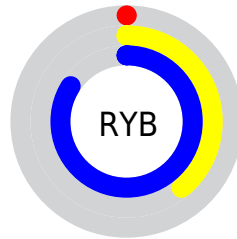
The Yxy color **39.0851, 0.2125, 0.2849** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **15.0422, 0.6285, 0.3390**, and the grayscale version is **23.1122, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5434, 0.2359, 0.3110**, and **18.7012, 0.2095, 0.2742** is the 20% darker color. If you saturate the color by 10%, you get **39.0629, 0.2125, 0.2848**, and if you desaturate by 10%, it is **40.4700, 0.2153, 0.2896**.

Distribution



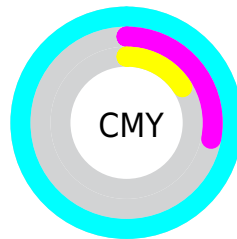
- Red (0%)
- Green (72%)
- Blue (84%)



- Red (0%)
- Yellow (39%)
- Blue (84%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (16%)





- Cyan (100%)
- Magenta (28%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.0851, 0.2125, 0.2849 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 39.0851, 0.2125, 0.2849 by changing the saturation by 10% instead.

 39.0851, 0.2125,
0.2849


 39.0851, 0.2125,
0.2849


342.2522, 0.2617,
0.3090


 26.8259, 0.2007,
0.2784


 73.7683, 0.2301,
0.2941

 17.4425, 0.1859,
0.2697


 96.9611, 0.2368,
0.2974

 10.5505, 0.1670,
0.2579


 124.5673, 0.2425,
0.3001

 5.7655, 0.1421,
0.2408

 156.9712, 0.2474,
0.3025

 2.7030, 0.1088,
0.2147

 194.5573, 0.2517,
0.3044

 0.9787, 0.0423,
0.1764

237.7098, 0.2554,

 0.0000, 0.0000,

0.3062

0.0000

286.8133, 0.2588,
0.3077

■ 39.0851, 0.2125,
0.2849

■ 39.0851, 0.2125,
0.2849

■ 39.0629, 0.2125,
0.2848

■ 40.4700, 0.2153,
0.2896

■ 42.0601, 0.2196,
0.2944

■ 43.9152, 0.2259,
0.2993

■ 46.0684, 0.2341,
0.3041

■ 48.5476, 0.2441,
0.3088

■ 51.3772, 0.2557,
0.3134

■ 54.5793, 0.2687,
0.3177

■ 58.1738, 0.2828,
0.3218

■ 62.1795, 0.2977,
0.3256

Harmonies

Analogous

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



39.0851, 0.2322, 0.3375



39.0851, 0.2125, 0.2849



39.0851, 0.2165, 0.2514

Triad

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



39.0851, 0.2125, 0.2849



39.0851, 0.3471, 0.2749



39.0851, 0.3804, 0.4274

Complementary

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



39.0851, 0.2125, 0.2849



15.0422, 0.6285, 0.3390

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.



39.0851, 0.4169, 0.3987



39.0851, 0.2125, 0.2849



39.0851, 0.3984, 0.3131

Square

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



39.0851, 0.2125, 0.2849



39.0851, 0.2897, 0.2489



39.0851, 0.4245, 0.3569



39.0851, 0.3276, 0.4283

Rectangle

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



39.0851, 0.2125, 0.2849



39.0851, 0.2319, 0.2414



39.0851, 0.4245, 0.3569



39.0851, 0.3951, 0.4202

Sweetspot

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



39.0865, 0.2125, 0.2849



81.7884, 0.2680, 0.3175



47.6733, 0.2973, 0.5902



17.0548, 0.2624, 0.3157



0.0000, 0.0000, 0.0000



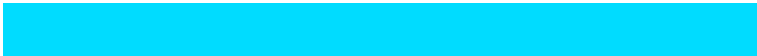
21.4041, 0.3127, 0.3290

Same Dimension

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



39.0865, 0.2125, 0.2849



58.5269, 0.2123, 0.2843



10.3023, 0.1655, 0.1155



13.8056, 0.2983, 0.3257



23.9746, 0.2127, 0.2855



1.5276, 0.2149, 0.2937

Inverse Universe

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



17.6134, 0.3590, 0.1752



26.4395, 0.3595, 0.1754



31.4821, 0.5031, 0.4386



12.6022, 0.3158, 0.3091



10.7651, 0.3584, 0.1748



0.6575, 0.3510, 0.1707

Previews

White Background



This preview shows how the Yxy color 39.0851, 0.2125, 0.2849 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 39.0851, 0.2125, 0.2849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

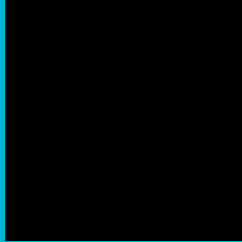
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.0851, 0.2125, 0.2849

Background



This preview shows how black text looks on a background with the Yxy color 39.0851, 0.2125, 0.2849.

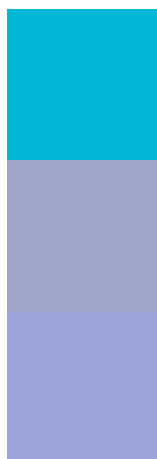


This preview shows how white text looks on a background with the Yxy color 39.0851, 0.2125, 0.2849.

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

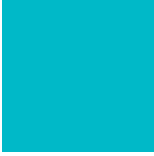
39.0851, 0.2125, 0.2849

Protanopia

38.4513, 0.2793, 0.2813

Deuteranopia

38.6808, 0.2642, 0.2578



Tritanopia

38.8681, 0.2181, 0.3053

Trichromacy



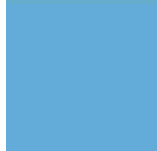
Original Color

39.0851, 0.2125, 0.2849



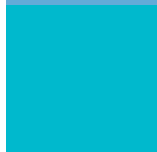
Protanomaly

36.6795, 0.2377, 0.2800



Deuteranomaly

36.7363, 0.2306, 0.2639



Tritanomaly

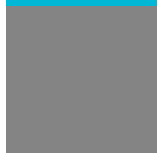
39.1057, 0.2161, 0.2979

Monochromacy



Original Color

39.0851, 0.2125, 0.2849



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

26.5912, 0.2475, 0.3111

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.0851, 0.2125, 0.2849 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, 184, 213)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 213)  
}
```

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, 184, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 213) }
```

Border

The CSS property to change the border of an element to Yxy 39.0851, 0.2125, 0.2849 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, 184, 213) }
```

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

```
.border{ border-color:rgb(0, 184, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 184, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 213);  
box-shadow:4px 4px 4px 4px rgb(0, 184,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 39.0851, 0.2125, 0.2849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 184, 213) }
```

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

```
.background{ background-color: rgb(0, 184,  
213) }
```

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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