

Converting Colors

$Y_{xy}(35.7035, 0.1757, 0.2793)$

Have a look what the booklet for
Yxy(35.7035, 0.1757, 0.2793)
contains.

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Color

Yxy(39.1873, 0.2117, 0.2821)

Conversions

Conversions Part 1

Format	Color
Hex	00B8D7
RGB	0, 184, 215
RGB Percent	0%, 72%, 84%
CMY	1.0000, 0.2784, 0.1568
CMYK	1.00, 0.14, 0.00, 0.16
HSL	189°, 100%, 42%
HSV	189°, 100%, 84%
XYZ	29.4078, 39.1873, 70.3177
YIQ	132.5180, -119.6150, -29.3670

Conversions

Conversions Part 2

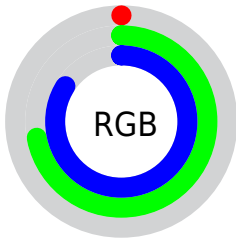
Format	Color
RYB	0, 99, 215
Decimal	47319
CIELab	68.89, -27.71, -26.52
CIELCh	69, 38.357, 223.738
Yxy	39.1873, 0.2117, 0.2821
Android (android.graphics.Color)	4278237399 (0xFF00B8D7)
YUV	132.5180, 40.6636, -116.2183
Hunter-Lab	62.5998, -25.6946, -22.7800

Details

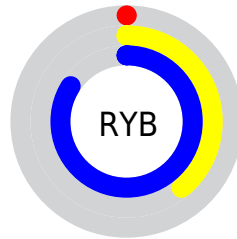
The Yxy color **39.1873, 0.2117, 0.2821** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **15.4314, 0.6278, 0.3397**, and the grayscale version is **23.1548, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5434, 0.2359, 0.3110**, and **18.7707, 0.2085, 0.2707** is the 20% darker color. If you saturate the color by 10%, you get **39.1887, 0.2117, 0.2821**, and if you desaturate by 10%, it is **40.6567, 0.2146, 0.2871**.

Distribution



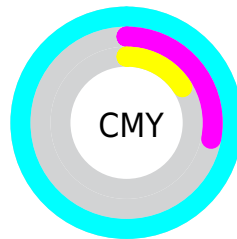
- Red (0%)
- Green (72%)
- Blue (84%)



- 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 39.1873, 0.2117, 0.2821 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 39.1873, 0.2117, 0.2821 by changing the saturation by 10% instead.


 39.1873, 0.2117,
0.2821

 39.1873, 0.2117,
0.2821


342.6862, 0.2612,
0.3075


 26.9055, 0.1999,
0.2753


 73.9244, 0.2294,
0.2917

 17.5022, 0.1850,
0.2662


 97.1484, 0.2361,
0.2953


 10.5932, 0.1661,
0.2539


 124.7886, 0.2418,
0.2982

 5.7940, 0.1412,
0.2362

 157.2294, 0.2468,
0.3006

 2.7202, 0.1081,
0.2095

 194.8551, 0.2511,
0.3027

 0.9875, 0.0446,
0.1702

238.0502, 0.2549,

 0.0000, 0.0000,

0.3046

0.0000

287.1991, 0.2583,
0.3061

■ 39.1873, 0.2117,
0.2821

■ 39.1873, 0.2117,
0.2821

■ 39.1887, 0.2117,
0.2821

■ 40.6567, 0.2146,
0.2871

■ 42.3368, 0.2190,
0.2923

■ 44.2903, 0.2253,
0.2974

■ 46.5509, 0.2335,
0.3025

■ 49.1474, 0.2436,
0.3075

■ 52.1050, 0.2553,
0.3124

■ 55.4461, 0.2684,
0.3170

■ 59.1914, 0.2825,
0.3213

■ 63.3599, 0.2974,
0.3253

Harmonies

Analogous

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



39.1873, 0.2300, 0.3340



39.1873, 0.2117, 0.2821



39.1873, 0.2171, 0.2498

Triad

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



39.1873, 0.2117, 0.2821



39.1873, 0.3507, 0.2767



39.1873, 0.3779, 0.4288

Complementary

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



39.1873, 0.2117, 0.2821



15.4314, 0.6278, 0.3397

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.



39.1873, 0.4158, 0.4011



39.1873, 0.2117, 0.2821



39.1873, 0.4012, 0.3155

Square

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



39.1873, 0.2117, 0.2821



39.1873, 0.2928, 0.2497



39.1873, 0.4255, 0.3596



39.1873, 0.3243, 0.4276

Rectangle

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



39.1873, 0.2117, 0.2821



39.1873, 0.2334, 0.2406



39.1873, 0.4255, 0.3596



39.1873, 0.3929, 0.4220

Sweetspot

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



39.1887, 0.2117, 0.2821



81.4236, 0.2680, 0.3168



48.6989, 0.2974, 0.5905



16.9665, 0.2623, 0.3149



0.0000, 0.0000, 0.0000



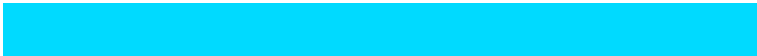
21.4041, 0.3127, 0.3290

Same Dimension

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



39.1887, 0.2117, 0.2821



57.4726, 0.2116, 0.2816



10.4765, 0.1653, 0.1150



13.7882, 0.2983, 0.3255



23.5546, 0.2119, 0.2829



1.5061, 0.2143, 0.2916

Inverse Universe

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



17.9111, 0.3615, 0.1765



26.3330, 0.3620, 0.1768



32.1095, 0.5034, 0.4385



12.6005, 0.3160, 0.3093



10.7227, 0.3608, 0.1761



0.6554, 0.3529, 0.1718

Previews

White Background



This preview shows how the Yxy color 39.1873, 0.2117, 0.2821 looks on a white background.

Color Contrast Check

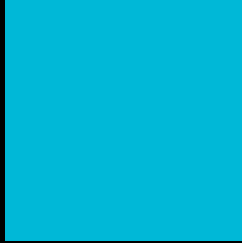
Large Text (above 18pt) WCAG AA × Fail

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 39.1873, 0.2117, 0.2821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

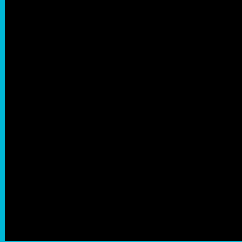
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.1873, 0.2117, 0.2821

Background



This preview shows how black text looks on a background with the Yxy color 39.1873, 0.2117, 0.2821.

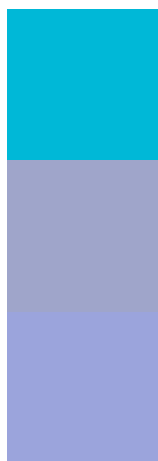


This preview shows how white text looks on a background with the Yxy color 39.1873, 0.2117, 0.2821.

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

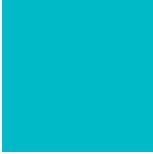
39.1873, 0.2117, 0.2821

Protanopia

38.5455, 0.2779, 0.2788

Deuteranopia

38.6868, 0.2622, 0.2554



Tritanopia

39.2879, 0.2186, 0.3069

Trichromacy



Original Color

39.1873, 0.2117, 0.2821



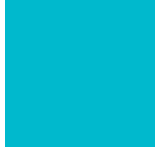
Protanomaly

36.7767, 0.2366, 0.2773



Deuteranomaly

36.8404, 0.2296, 0.2614



Tritanomaly

39.1057, 0.2161, 0.2979

Monochromacy



Original Color

39.1873, 0.2117, 0.2821



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

27.0321, 0.2471, 0.3095

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.1873, 0.2117, 0.2821 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, 215)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 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, 184, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 215) }
```

Border

The CSS property to change the border of an element to Yxy 39.1873, 0.2117, 0.2821 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, 215) }
```

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

```
.border{ border-color:rgb(0, 184, 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, 184, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 215);  
box-shadow:4px 4px 4px 4px rgb(0, 184,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 39.1873, 0.2117, 0.2821 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, 215) }
```

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

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