

Converting Colors

$Y_{xy}(38.3343, 0.2125, 0.2848)$

Have a look what the booklet for
Yxy(38.3343, 0.2125, 0.2848)
contains.

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Color

Yxy(38.1655, 0.2124, 0.2845)

Conversions

Conversions Part 1

Format	Color
Hex	01B6D3
RGB	1, 182, 211
RGB Percent	0%, 71%, 83%
CMY	0.9978, 0.2862, 0.1726
CMYK	1.00, 0.14, 0.00, 0.17
HSL	188°, 99%, 41%
HSV	188°, 100%, 83%
XYZ	28.4933, 38.1655, 67.4906
YIQ	131.1870, -117.1850, -29.3530

Conversions

Conversions Part 2

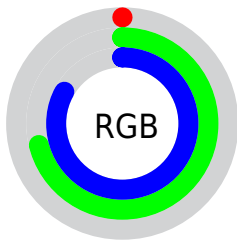
Format	Color
RYB	1, 98, 211
Decimal	112339
CIELab	68.14, -28.05, -25.45
CIELCh	68, 37.875, 222.223
Yxy	38.1655, 0.2124, 0.2845
Android (android.graphics.Color)	4278302419 (0xFF01B6D3)
YUV	131.1870, 39.3478, -114.1740
Hunter-Lab	61.7782, -25.7842, -21.5275

Details

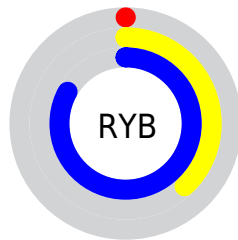
The Yxy color **38.1655, 0.2124, 0.2845** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **14.7550, 0.6281, 0.3392**, and the grayscale version is **22.6069, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.3121, 0.2351, 0.3085**, and **18.1008, 0.2093, 0.2736** is the 20% darker color. If you saturate the color by 10%, you get **38.1323, 0.2123, 0.2844**, and if you desaturate by 10%, it is **39.5328, 0.2152, 0.2893**.

Distribution



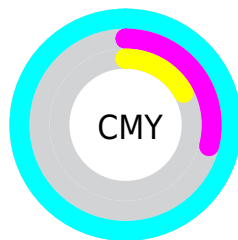
- Red (0%)
- Green (71%)
- Blue (83%)



- Red (0%)
- Yellow (38%)
- Blue (83%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (17%)





- Cyan (100%)
- Magenta (29%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1655, 0.2124, 0.2845 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 38.1655, 0.2124, 0.2845 by changing the saturation by 10% instead.


 38.1655, 0.2124,
0.2845


 38.1655, 0.2124,
0.2845


 338.3294, 0.2619,
0.3089

 26.1112, 0.2005,
0.2779


 72.3617, 0.2301,
0.2938


 16.9068, 0.1855,
0.2691


 95.2724, 0.2368,
0.2971

 10.1681, 0.1663,
0.2570


 122.5707, 0.2426,
0.2999

 5.5105, 0.1410,
0.2394

 154.6409, 0.2475,
0.3023

 2.5498, 0.1071,
0.2126

 191.8675, 0.2518,
0.3043

 0.9015, 0.0332,
0.1740

 234.6348, 0.2556,

 0.0000, 0.0000,

0.3060

0.0000

283.3273, 0.2589,
0.3075

■ 38.1655, 0.2124,
0.2845

■ 38.1655, 0.2124,
0.2845

■ 38.1323, 0.2123,
0.2844

■ 39.5328, 0.2152,
0.2893

■ 41.1022, 0.2196,
0.2941

■ 42.9317, 0.2259,
0.2990

■ 45.0535, 0.2341,
0.3039

■ 47.4950, 0.2442,
0.3087

■ 50.2799, 0.2558,
0.3133

■ 53.4297, 0.2688,
0.3176

■ 56.9640, 0.2829,
0.3218

■ 60.9011, 0.2978,
0.3256

Harmonies

Analogous

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



38.1655, 0.2319, 0.3370



38.1655, 0.2124, 0.2845



38.1655, 0.2166, 0.2511

Triad

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



38.1655, 0.2124, 0.2845



38.1655, 0.3476, 0.2752



38.1655, 0.3800, 0.4276

Complementary

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



38.1655, 0.2124, 0.2845



14.7550, 0.6281, 0.3392

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.



38.1655, 0.4167, 0.3990



38.1655, 0.2124, 0.2845



38.1655, 0.3988, 0.3135

Square

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



38.1655, 0.2124, 0.2845



38.1655, 0.2901, 0.2490



38.1655, 0.4246, 0.3573



38.1655, 0.3271, 0.4282

Rectangle

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



38.1655, 0.2124, 0.2845



38.1655, 0.2321, 0.2413



38.1655, 0.4246, 0.3573



38.1655, 0.3948, 0.4204

Sweetspot

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



38.1669, 0.2124, 0.2845



81.7246, 0.2680, 0.3174



46.6776, 0.2973, 0.5901



17.0393, 0.2624, 0.3155



0.0000, 0.0000, 0.0000



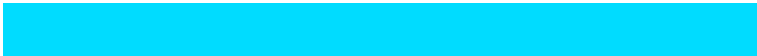
21.4041, 0.3127, 0.3290

Same Dimension

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



38.1669, 0.2124, 0.2845



58.3417, 0.2122, 0.2839



10.1148, 0.1655, 0.1157



13.1178, 0.2983, 0.3257



23.1254, 0.2125, 0.2851



1.3714, 0.2150, 0.2939

Inverse Universe

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



17.2383, 0.3593, 0.1754



26.4208, 0.3599, 0.1756



30.8539, 0.5029, 0.4387



11.9799, 0.3158, 0.3092



10.4058, 0.3588, 0.1750



0.5897, 0.3508, 0.1706

Previews

White Background



This preview shows how the Yxy color 38.1655, 0.2124, 0.2845 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 38.1655, 0.2124, 0.2845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

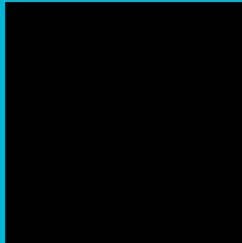
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.1655, 0.2124, 0.2845

Background



This preview shows how black text looks on a background with the Yxy color 38.1655, 0.2124, 0.2845.

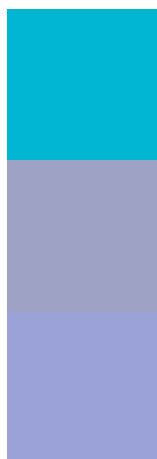


This preview shows how white text looks on a background with the Yxy color 38.1655, 0.2124, 0.2845.

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

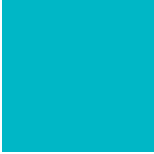
38.1655, 0.2124, 0.2845

Protanopia

37.5407, 0.2798, 0.2809

Deuteranopia

37.6170, 0.2644, 0.2583



Tritanopia

37.9442, 0.2181, 0.3050

Trichromacy



Original Color

38.1655, 0.2124, 0.2845



Protanomaly

35.8279, 0.2382, 0.2796



Deuteranomaly

35.8276, 0.2305, 0.2633



Tritanomaly

38.1788, 0.2160, 0.2976

Monochromacy



Original Color

38.1655, 0.2124, 0.2845



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

26.2356, 0.2478, 0.3110

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1655, 0.2124, 0.2845 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(1, 182, 211)` looks like.

```
.text, #text, p{  
    color:rgb(1, 182, 211)  
}
```

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(1, 182, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 182, 211) }
```

Border

The CSS property to change the border of an element to Yxy 38.1655, 0.2124, 0.2845 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(1, 182, 211) }
```

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

```
.border{ border-color:rgb(1, 182, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 182, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 182, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 182, 211);  
box-shadow:4px 4px 4px 4px rgb(1, 182,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1655, 0.2124, 0.2845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 182, 211) }
```

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

```
.background{ background-color: rgb(1, 182,  
211) }
```

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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