

Converting Colors

$Y_{xy}(34.9455, 0.1770, 0.2769)$

Have a look what the booklet for
Yxy(34.9455, 0.1770, 0.2769)
contains.

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Color

Yxy(38.3109, 0.2112, 0.2803)

Conversions

Conversions Part 1

Format	Color
Hex	00B6D6
RGB	0, 182, 214
RGB Percent	0%, 71%, 84%
CMY	1.0000, 0.2863, 0.1607
CMYK	1.00, 0.15, 0.00, 0.16
HSL	189°, 100%, 42%
HSV	189°, 100%, 84%
XYZ	28.8664, 38.3109, 69.5009
YIQ	131.2300, -118.7440, -28.6320

Conversions

Conversions Part 2

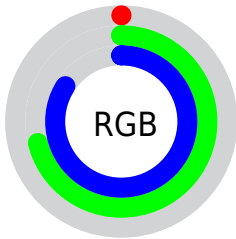
Format	Color
RYB	0, 98, 214
Decimal	46806
CIELab	68.25, -27.05, -26.95
CIELCh	68, 38.183, 224.886
Yxy	38.3109, 0.2112, 0.2803
Android (android.graphics.Color)	4278236886 (0xFF00B6D6)
YUV	131.2300, 40.8056, -115.0887
Hunter-Lab	61.8958, -25.0703, -23.2478

Details

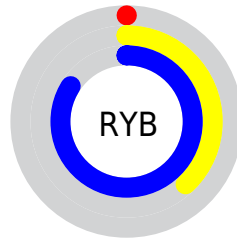
The Yxy color **38.3109, 0.2112, 0.2803** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **15.3321, 0.6271, 0.3403**, and the grayscale version is **22.6675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.3723, 0.2354, 0.3085**, and **18.2037, 0.2078, 0.2682** is the 20% darker color. If you saturate the color by 10%, you get **38.3123, 0.2112, 0.2803**, and if you desaturate by 10%, it is **39.8025, 0.2141, 0.2855**.

Distribution



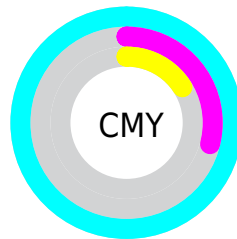
- Red (0%)
- Green (71%)
- Blue (84%)



- Red (0%)
- Yellow (38%)
- Blue (84%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (16%)





- Cyan (100%)
- Magenta (29%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3109, 0.2112, 0.2803 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 38.3109, 0.2112, 0.2803 by changing the saturation by 10% instead.


 38.3109, 0.2112,
0.2803


 38.3109, 0.2112,
0.2803


338.9518, 0.2611,
0.3067

 26.2241, 0.1992,
0.2732


 72.5844, 0.2290,
0.2903


 16.9913, 0.1842,
0.2638


 95.5399, 0.2358,
0.2940

 10.2283, 0.1650,
0.2510


 122.8871, 0.2416,
0.2970

 5.5506, 0.1397,
0.2326

 155.0103, 0.2466,
0.2995

 2.5738, 0.1061,
0.2049

 192.2940, 0.2510,
0.3017

 0.9135, 0.0374,
0.1648

235.1225, 0.2548,

 0.0000, 0.0000,

0.3036

0.0000

283.8803, 0.2581,
0.3053

■ 38.3109, 0.2112,
0.2803

■ 38.3109, 0.2112,
0.2803

■ 38.3123, 0.2112,
0.2803

■ 39.8025, 0.2141,
0.2855

■ 41.5045, 0.2186,
0.2909

■ 43.4789, 0.2250,
0.2962

■ 45.7593, 0.2333,
0.3015

■ 48.3740, 0.2435,
0.3067

■ 51.3478, 0.2552,
0.3117

■ 54.7032, 0.2683,
0.3165

■ 58.4604, 0.2825,
0.3210

■ 62.6384, 0.2974,
0.3252

Harmonies

Analogous

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



38.3109, 0.2287, 0.3318



38.3109, 0.2112, 0.2803



38.3109, 0.2175, 0.2487

Triad

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



38.3109, 0.2112, 0.2803



38.3109, 0.3530, 0.2779



38.3109, 0.3762, 0.4297

Complementary

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



38.3109, 0.2112, 0.2803



15.3321, 0.6271, 0.3403

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.



38.3109, 0.4151, 0.4027



38.3109, 0.2112, 0.2803



38.3109, 0.4029, 0.3171

Square

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



38.3109, 0.2112, 0.2803



38.3109, 0.2949, 0.2503



38.3109, 0.4261, 0.3613



38.3109, 0.3222, 0.4272

Rectangle

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



38.3109, 0.2112, 0.2803



38.3109, 0.2344, 0.2401



38.3109, 0.4261, 0.3613



38.3109, 0.3915, 0.4232

Sweetspot

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



38.3123, 0.2112, 0.2803



81.1792, 0.2679, 0.3164



48.1871, 0.2974, 0.5905



16.9073, 0.2622, 0.3144



0.0000, 0.0000, 0.0000



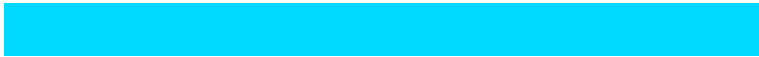
21.4041, 0.3127, 0.3290

Same Dimension

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



38.3123, 0.2112, 0.2803



56.7714, 0.2111, 0.2798



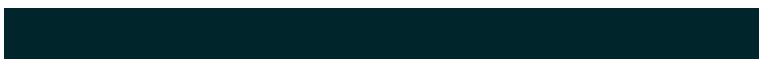
10.3719, 0.1653, 0.1151



13.7765, 0.2983, 0.3254



23.2751, 0.2114, 0.2811



1.4918, 0.2139, 0.2902

Inverse Universe

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



17.6758, 0.3632, 0.1774



26.2622, 0.3637, 0.1777



31.7782, 0.5034, 0.4385



12.5993, 0.3160, 0.3094



10.6945, 0.3625, 0.1770



0.6539, 0.3542, 0.1725

Previews

White Background



This preview shows how the Yxy color 38.3109, 0.2112, 0.2803 looks on a white background.

Color Contrast Check

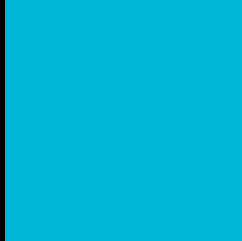
Large Text (above 18pt) WCAG AA × Fail

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 38.3109, 0.2112, 0.2803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

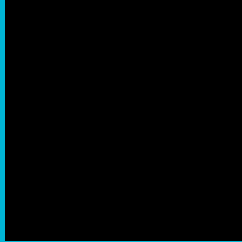
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.3109, 0.2112, 0.2803

Background



This preview shows how black text looks on a background with the Yxy color 38.3109, 0.2112, 0.2803.



This preview shows how white text looks on a background with the Yxy color 38.3109, 0.2112, 0.2803.

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

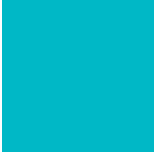
38.3109, 0.2112, 0.2803

Protanopia

37.9361, 0.2769, 0.2784

Deuteranopia

37.9317, 0.2611, 0.2559



Tritanopia

38.3582, 0.2185, 0.3067

Trichromacy



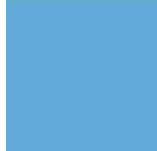
Original Color

38.3109, 0.2112, 0.2803



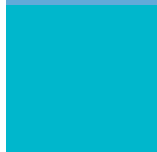
Protanomaly

36.2914, 0.2363, 0.2770



Deuteranomaly

36.3006, 0.2288, 0.2610



Tritanomaly

38.2266, 0.2156, 0.2961

Monochromacy



Original Color

38.3109, 0.2112, 0.2803



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

26.2249, 0.2465, 0.3092

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3109, 0.2112, 0.2803 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, 182, 214)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 214)  
}
```

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, 182, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 214) }
```

Border

The CSS property to change the border of an element to Yxy 38.3109, 0.2112, 0.2803 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, 182, 214) }
```

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

```
.border{ border-color:rgb(0, 182, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 182, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 214);  
box-shadow:4px 4px 4px 4px rgb(0, 182,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3109, 0.2112, 0.2803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 182, 214) }
```

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

```
.background{ background-color: rgb(0, 182,  
214) }
```

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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