

Converting Colors

$Yxy(38.4307, 0.2094, 0.2791)$

Have a look what the booklet for
Yxy(38.4307, 0.2094, 0.2791)
contains.

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Color

Yxy(38.7733, 0.2113, 0.2805)

Conversions

Conversions Part 1

Format	Color
Hex	01B7D7
RGB	1, 183, 215
RGB Percent	0%, 72%, 84%
CMY	0.9970, 0.2824, 0.1568
CMYK	1.00, 0.15, 0.00, 0.16
HSL	189°, 99%, 42%
HSV	189°, 100%, 84%
XYZ	29.2078, 38.7733, 70.2481
YIQ	132.2300, -118.7440, -28.6320

Conversions

Conversions Part 2

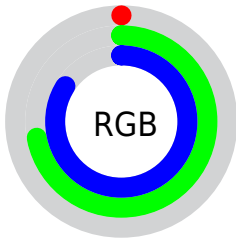
Format	Color
RYB	1, 99, 215
Decimal	112599
CIELab	68.59, -27.19, -26.98
CIELCh	69, 38.302, 224.778
Yxy	38.7733, 0.2113, 0.2805
Android (android.graphics.Color)	4278302679 (0xFF01B7D7)
YUV	132.2300, 40.8056, -115.0887
Hunter-Lab	62.2682, -25.2413, -23.3005

Details

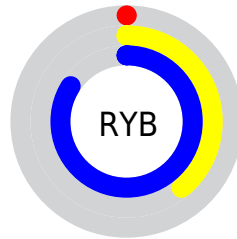
The Yxy color **38.7733, 0.2113, 0.2805** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **15.5278, 0.6264, 0.3404**, and the grayscale version is **23.0142, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9563, 0.2356, 0.3097**, and **18.5033, 0.2079, 0.2685** is the 20% darker color. If you saturate the color by 10%, you get **38.7233, 0.2112, 0.2803**, and if you desaturate by 10%, it is **40.2845, 0.2143, 0.2857**.

Distribution



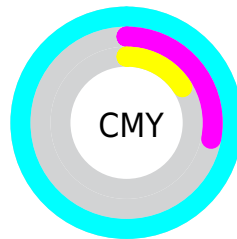
- Red (0%)
- Green (72%)
- Blue (84%)



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



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7733, 0.2113, 0.2805 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 38.7733, 0.2113, 0.2805 by changing the saturation by 10% instead.


 38.7733, 0.2113,
0.2805


 38.7733, 0.2113,
0.2805


340.9257, 0.2611,
0.3068


 26.5834, 0.1994,
0.2734


 73.2919, 0.2291,
0.2904


 17.2606, 0.1845,
0.2642


 96.3893, 0.2358,
0.2941

 10.4205, 0.1654,
0.2515


 123.8915, 0.2416,
0.2971

 5.6786, 0.1403,
0.2333

 156.1826, 0.2466,
0.2996

 2.6507, 0.1070,
0.2059

 193.6473, 0.2509,
0.3018

 0.9522, 0.0418,
0.1660

236.6697, 0.2547,

 0.0000, 0.0000,

0.3037

0.0000

285.6344, 0.2581,
0.3053

■ 38.7733, 0.2113,
0.2805

■ 38.7733, 0.2113,
0.2805

■ 38.7233, 0.2112,
0.2803

■ 40.2845, 0.2143,
0.2857

■ 42.0128, 0.2188,
0.2911

■ 44.0178, 0.2253,
0.2964

■ 46.3331, 0.2337,
0.3017

■ 48.9873, 0.2438,
0.3069

■ 52.0055, 0.2557,
0.3119

■ 55.4102, 0.2688,
0.3167

■ 59.2219, 0.2830,
0.3212

■ 63.4597, 0.2979,
0.3253

Harmonies

Analogous

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



38.7733, 0.2288, 0.3320



38.7733, 0.2113, 0.2805



38.7733, 0.2175, 0.2489

Triad

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



38.7733, 0.2113, 0.2805



38.7733, 0.3527, 0.2778



38.7733, 0.3763, 0.4295

Complementary

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



38.7733, 0.2113, 0.2805



15.5278, 0.6264, 0.3404

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.



38.7733, 0.4151, 0.4025



38.7733, 0.2113, 0.2805



38.7733, 0.4027, 0.3170

Square

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



38.7733, 0.2113, 0.2805



38.7733, 0.2947, 0.2503



38.7733, 0.4259, 0.3612



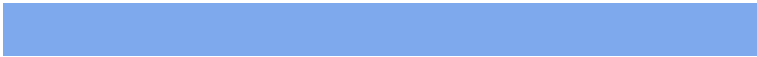
38.7733, 0.3224, 0.4272

Rectangle

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



38.7733, 0.2113, 0.2805



38.7733, 0.2344, 0.2402



38.7733, 0.4259, 0.3612



38.7733, 0.3916, 0.4230

Sweetspot

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



38.7747, 0.2113, 0.2805



81.1832, 0.2679, 0.3164



48.7069, 0.2973, 0.5901



16.9083, 0.2622, 0.3144



0.0000, 0.0000, 0.0000



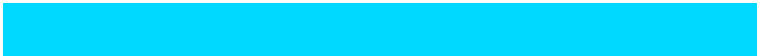
21.4041, 0.3127, 0.3290

Same Dimension

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



38.7747, 0.2113, 0.2805



56.7830, 0.2111, 0.2798



10.5503, 0.1656, 0.1157



13.7767, 0.2983, 0.3254



23.2797, 0.2114, 0.2811



1.4920, 0.2140, 0.2902

Inverse Universe

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



17.8851, 0.3630, 0.1775



26.2634, 0.3636, 0.1777



32.1892, 0.5029, 0.4387



12.5993, 0.3160, 0.3094



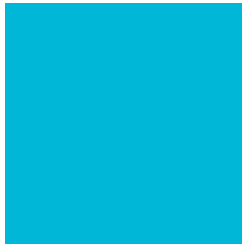
10.6950, 0.3624, 0.1770



0.6539, 0.3542, 0.1725

Previews

White Background



This preview shows how the Yxy color 38.7733, 0.2113, 0.2805 looks on a white background.

Color Contrast Check

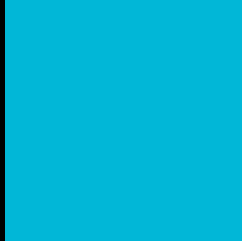
Large Text (above 18pt) WCAG AA × Fail

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 38.7733, 0.2113, 0.2805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

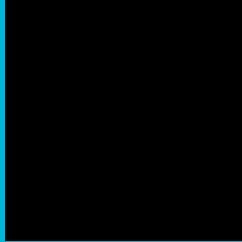
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.7733, 0.2113, 0.2805

Background



This preview shows how black text looks on a background with the Yxy color 38.7733, 0.2113, 0.2805.

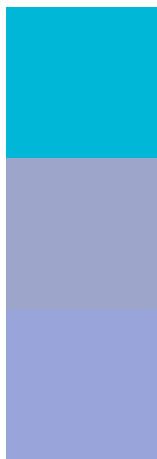


This preview shows how white text looks on a background with the Yxy color 38.7733, 0.2113, 0.2805.

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

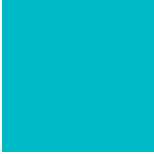
38.7797, 0.2113, 0.2806

Protanopia

38.4436, 0.2770, 0.2787

Deuteranopia

38.4377, 0.2613, 0.2562



Tritanopia

38.8214, 0.2186, 0.3068

Trichromacy



Original Color

38.7797, 0.2113, 0.2806



Protanomaly

36.7767, 0.2366, 0.2773



Deuteranomaly

36.7844, 0.2291, 0.2613



Tritanomaly

38.6888, 0.2156, 0.2963

Monochromacy



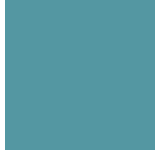
Original Color

38.7797, 0.2113, 0.2806



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

26.6267, 0.2468, 0.3093

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7733, 0.2113, 0.2805 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, 183, 215)` looks like.

```
.text, #text, p{  
    color:rgb(1, 183, 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(1, 183, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 183, 215) }
```

Border

The CSS property to change the border of an element to Yxy 38.7733, 0.2113, 0.2805 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, 183, 215) }
```

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

```
.border{ border-color:rgb(1, 183, 215) }
```

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

Here you see how a box with a 4 pixel rgb(1, 183, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 183, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 183, 215);  
box-shadow:4px 4px 4px 4px rgb(1, 183,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7733, 0.2113, 0.2805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 183, 215) }
```

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

```
.background{ background-color: rgb(1, 183,  
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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