

Converting Colors

$Y_{xy}(38.7581, 0.2186, 0.3078)$

Have a look what the booklet for
Yxy(38.7581, 0.2186, 0.3078)
contains.

Yxy(38.7751, 0.2190, 0.3083)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.7751, 0.2190, 0.3083)

Conversions

Conversions Part 1

Format	Color
Hex	00B9C6
RGB	0, 185, 198
RGB Percent	0%, 73%, 78%
CMY	0.9986, 0.2745, 0.2236
CMYK	1.00, 0.07, 0.00, 0.22
HSL	184°, 100%, 39%
HSV	184°, 100%, 78%
XYZ	27.5438, 38.7751, 59.4518
YIQ	131.1670, -114.4330, -35.1770

Conversions

Conversions Part 2

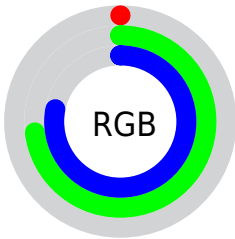
Format	Color
RYB	0, 96, 198
Decimal	47558
CIELab	68.59, -33.73, -17.63
CIELCh	69, 38.056, 207.592
Yxy	38.7751, 0.2190, 0.3083
Android (android.graphics.Color)	4278237638 (0xFF00B9C6)
YUV	131.1670, 32.9487, -115.0335
Hunter-Lab	62.2697, -30.0159, -13.0182

Details

The Yxy color **38.7751, 0.2190, 0.3083** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **12.3018, 0.6353, 0.3335**, and the grayscale version is **22.7091, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.6078, 0.2358, 0.3134**, and **18.2462, 0.2170, 0.3010** is the 20% darker color. If you saturate the color by 10%, you get **38.7646, 0.2190, 0.3083**, and if you desaturate by 10%, it is **39.4715, 0.2211, 0.3105**.

Distribution



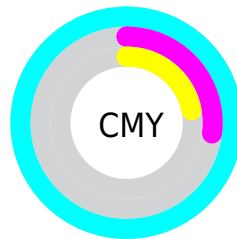
- Red (0%)
- Green (73%)
- Blue (78%)



- Red (0%)
- Yellow (38%)
- Blue (78%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (22%)





- Cyan (100%)
- Magenta (27%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7751, 0.2190, 0.3083 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 38.7751, 0.2190, 0.3083 by changing the saturation by 10% instead.


 38.7751, 0.2190,
0.3083


 38.7751, 0.2190,
0.3083

340.9334, 0.2655,
0.3205


 26.5848, 0.2077,
0.3047


 73.2946, 0.2357,
0.3132


 17.2617, 0.1933,
0.2997


 96.3926, 0.2421,
0.3149

 10.4212, 0.1747,
0.2924


 123.8954, 0.2474,
0.3163

 5.6791, 0.1498,
0.2813

 156.1872, 0.2521,
0.3174

 2.6510, 0.1156,
0.2626

 193.6525, 0.2561,
0.3184

 0.9524, 0.0202,
0.2396

236.6757, 0.2596,

 0.0000, 0.0000,

0.3192

0.0000

285.6412, 0.2627,
0.3199

■ 38.7751, 0.2190,
0.3083

■ 38.7751, 0.2190,
0.3083

■ 38.7646, 0.2190,
0.3083

■ 39.4715, 0.2211,
0.3105

■ 40.3233, 0.2246,
0.3127

■ 41.3831, 0.2299,
0.3149

■ 42.6781, 0.2372,
0.3171

■ 44.2315, 0.2463,
0.3193

■ 46.0636, 0.2572,
0.3215

■ 48.1927, 0.2695,
0.3236

■ 50.6355, 0.2832,
0.3255

■ 53.4074, 0.2977,
0.3273

Harmonies

Analogous

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



38.7751, 0.2496, 0.3654



38.7751, 0.2190, 0.3083



38.7751, 0.2117, 0.2647

Triad

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



38.7751, 0.2190, 0.3083



38.7751, 0.3191, 0.2606



38.7751, 0.4008, 0.4161

Complementary

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



38.7751, 0.2190, 0.3083



12.3018, 0.6353, 0.3335

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.



38.7751, 0.4247, 0.3795



38.7751, 0.2190, 0.3083



38.7751, 0.3759, 0.2937

Square

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



38.7751, 0.2190, 0.3083



38.7751, 0.2653, 0.2423



38.7751, 0.4160, 0.3357



38.7751, 0.3540, 0.4322

Rectangle

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



38.7751, 0.2190, 0.3083



38.7751, 0.2198, 0.2476



38.7751, 0.4160, 0.3357



38.7751, 0.4119, 0.4055

Sweetspot

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



38.7765, 0.2190, 0.3083



85.0979, 0.2687, 0.3234



40.4082, 0.2992, 0.5970



17.8580, 0.2633, 0.3226



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.



38.7765, 0.2190, 0.3083



68.5083, 0.2189, 0.3079



11.2718, 0.1726, 0.1410



11.9435, 0.2984, 0.3274



25.2618, 0.2191, 0.3086



1.2330, 0.2203, 0.3131

Inverse Universe

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



15.5147, 0.3382, 0.1637



27.4471, 0.3385, 0.1638



22.9535, 0.5264, 0.4201



10.8041, 0.3148, 0.3077



10.0902, 0.3380, 0.1635



0.4815, 0.3340, 0.1614

Previews

White Background



This preview shows how the Yxy color 38.7751, 0.2190, 0.3083 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 38.7751, 0.2190, 0.3083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

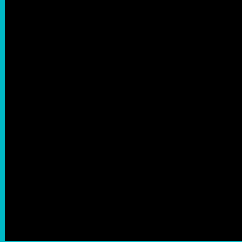
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

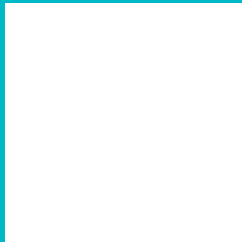
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.7751, 0.2190, 0.3083

Background



This preview shows how black text looks on a background with the Yxy color 38.7751, 0.2190, 0.3083.



This preview shows how white text looks on a background with the Yxy color 38.7751, 0.2190, 0.3083.

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

38.7751, 0.2190, 0.3083

Protanopia

38.3056, 0.2951, 0.3013

Deuteranopia

38.3987, 0.2810, 0.2754



Tritanopia

38.9614, 0.2191, 0.3053

Trichromacy



Original Color

38.7751, 0.2190, 0.3083



Protanomaly

36.1658, 0.2479, 0.3013



Deuteranomaly

36.2859, 0.2412, 0.2841



Tritanomaly

38.8795, 0.2191, 0.3068

Monochromacy



Original Color

38.7751, 0.2190, 0.3083



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

26.3388, 0.2509, 0.3216

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7751, 0.2190, 0.3083 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, 185, 198)` looks like.

```
.text, #text, p{  
    color:rgb(0, 185, 198)  
}
```

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, 185, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 185, 198) }
```

Border

The CSS property to change the border of an element to Yxy 38.7751, 0.2190, 0.3083 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, 185, 198) }
```

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

```
.border{ border-color:rgb(0, 185, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 185, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 185, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 185, 198);  
box-shadow:4px 4px 4px 4px rgb(0, 185,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7751, 0.2190, 0.3083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 185, 198) }
```

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

```
.background{ background-color: rgb(0, 185,  
198) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor