

Converting Colors

$Y_{xy}(35.7450, 0.2030, 0.3188)$

Have a look what the booklet for
Yxy(35.7450, 0.2030, 0.3188)
contains.

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Color

Yxy(37.5411, 0.2220, 0.3190)

Conversions

Conversions Part 1

Format	Color
Hex	01B7BD
RGB	1, 183, 189
RGB Percent	0%, 72%, 74%
CMY	0.9971, 0.2824, 0.2588
CMYK	1.00, 0.03, 0.00, 0.26
HSL	182°, 99%, 37%
HSV	182°, 100%, 74%
XYZ	26.1258, 37.5411, 54.0168
YIQ	129.2660, -110.3980, -36.7180

Conversions

Conversions Part 2

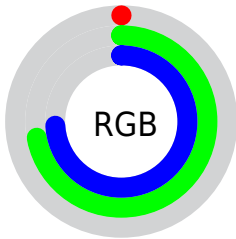
Format	Color
RYB	1, 93, 189
Decimal	112573
CIELab	67.68, -35.60, -14.05
CIELCh	68, 38.269, 201.537
Yxy	37.5411, 0.2220, 0.3190
Android (android.graphics.Color)	4278302653 (0xFF01B7BD)
YUV	129.2660, 29.4489, -112.4893
Hunter-Lab	61.2708, -31.1117, -9.3810

Details

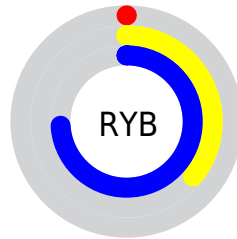
The Yxy color **37.5411, 0.2220, 0.3190** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **10.9679, 0.6372, 0.3317**, and the grayscale version is **21.9436, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6795, 0.2387, 0.3227**, and **17.4781, 0.2204, 0.3133** is the 20% darker color. If you saturate the color by 10%, you get **37.5281, 0.2219, 0.3190**, and if you desaturate by 10%, it is **37.9323, 0.2238, 0.3200**.

Distribution



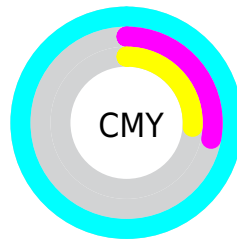
- Red (0%)
- Green (72%)
- Blue (74%)



- Red (0%)
- Yellow (36%)
- Blue (74%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (26%)





- Cyan (100%)
- Magenta (28%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5411, 0.2220, 0.3190 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 37.5411, 0.2220, 0.3190 by changing the saturation by 10% instead.

 37.5411, 0.2220,
0.3190


 37.5411, 0.2220,
0.3190


335.6473, 0.2674,
0.3257

 25.6267, 0.2108,
0.3168


 71.4042, 0.2385,
0.3218

 16.5446, 0.1965,
0.3136

 94.1217, 0.2447,
0.3228


 9.9103, 0.1777,
0.3087

 121.2091, 0.2499,
0.3235

 5.3395, 0.1524,
0.3007

 153.0507, 0.2544,
0.3241

 2.4478, 0.1170,
0.2862

 190.0309, 0.2583,
0.3246

 0.8503, 0.0000,
0.2743

232.5342, 0.2618,

 0.0000, 0.0000,

0.3250

0.0000

280.9448, 0.2648,
0.3254

■ 37.5411, 0.2220,
0.3190

■ 37.5411, 0.2220,
0.3190

■ 37.5281, 0.2219,
0.3190

■ 37.9323, 0.2238,
0.3200

■ 38.4605, 0.2270,
0.3211

■ 39.1727, 0.2320,
0.3221

■ 40.0932, 0.2388,
0.3232

■ 41.2425, 0.2476,
0.3243

■ 42.6385, 0.2581,
0.3253

■ 44.2977, 0.2702,
0.3263

■ 46.2347, 0.2836,
0.3273

■ 48.4635, 0.2981,
0.3282

Harmonies

Analogous

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



37.5411, 0.2574, 0.3777



37.5411, 0.2220, 0.3190



37.5411, 0.2097, 0.2708

Triad

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



37.5411, 0.2220, 0.3190



37.5411, 0.3073, 0.2545



37.5411, 0.4093, 0.4111

Complementary

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



37.5411, 0.2220, 0.3190



10.9679, 0.6372, 0.3317

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.



37.5411, 0.4275, 0.3713



37.5411, 0.2220, 0.3190



37.5411, 0.3660, 0.2854

Square

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



37.5411, 0.2220, 0.3190



37.5411, 0.2553, 0.2395



37.5411, 0.4118, 0.3267



37.5411, 0.3654, 0.4331

Rectangle

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



37.5411, 0.2220, 0.3190



37.5411, 0.2149, 0.2505



37.5411, 0.4118, 0.3267



37.5411, 0.4188, 0.3990

Sweetspot

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



37.5425, 0.2220, 0.3190



79.0532, 0.2691, 0.3262



36.4116, 0.2997, 0.5987



16.7218, 0.2639, 0.3258



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



37.5425, 0.2220, 0.3190



67.1357, 0.2219, 0.3188



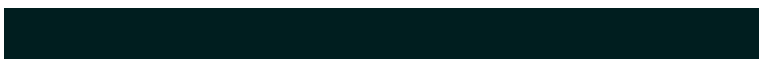
11.2871, 0.1758, 0.1527



10.7558, 0.2985, 0.3282



25.2702, 0.2220, 0.3191



1.0064, 0.2227, 0.3216

Inverse Universe

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



14.2542, 0.3290, 0.1588



25.4896, 0.3292, 0.1587



19.5582, 0.5353, 0.4128



9.6909, 0.3142, 0.3071



9.5807, 0.3290, 0.1586



0.3770, 0.3269, 0.1574

Previews

White Background



This preview shows how the Yxy color 37.5411, 0.2220, 0.3190 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 37.5411, 0.2220, 0.3190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

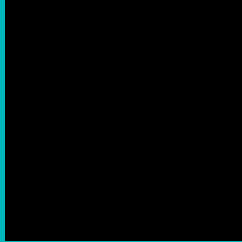
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

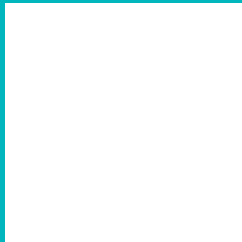
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.5411, 0.2220, 0.3190

Background



This preview shows how black text looks on a background with the Yxy color 37.5411, 0.2220, 0.3190.

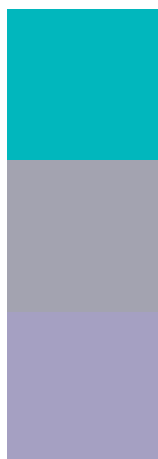


This preview shows how white text looks on a background with the Yxy color 37.5411, 0.2220, 0.3190.

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

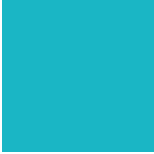
37.5475, 0.2220, 0.3190

Protanopia

37.1155, 0.3016, 0.3106

Deuteranopia

37.0360, 0.2886, 0.2826



Tritanopia

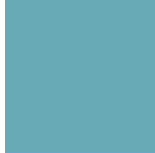
37.7067, 0.2203, 0.3051

Trichromacy



Original Color

37.5475, 0.2220, 0.3190



Protanomaly

35.0287, 0.2528, 0.3116



Deuteranomaly

34.8143, 0.2462, 0.2921



Tritanomaly

37.4701, 0.2206, 0.3096

Monochromacy



Original Color

37.5475, 0.2220, 0.3190



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

25.5231, 0.2524, 0.3251

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5411, 0.2220, 0.3190 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, 189)` looks like.

```
.text, #text, p{  
    color:rgb(1, 183, 189)  
}
```

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, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 183, 189) }
```

Border

The CSS property to change the border of an element to Yxy 37.5411, 0.2220, 0.3190 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, 189) }
```

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

```
.border{ border-color:rgb(1, 183, 189) }
```

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, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 183, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 183, 189);  
box-shadow:4px 4px 4px 4px rgb(1, 183,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5411, 0.2220, 0.3190 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, 189) }
```

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

```
.background{ background-color: rgb(1, 183,  
189) }
```

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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