

Converting Colors

$Y_{xy}(35.7656, 0.2061, 0.3035)$

Have a look what the booklet for
Yxy(35.7656, 0.2061, 0.3035)
contains.

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Color

Yxy(37.0333, 0.2180, 0.3048)

Conversions

Conversions Part 1

Format	Color
Hex	00B5C4
RGB	0, 181, 196
RGB Percent	0%, 71%, 77%
CMY	1.0000, 0.2902, 0.2313
CMYK	1.00, 0.08, 0.00, 0.23
HSL	185°, 100%, 38%
HSV	185°, 100%, 77%
XYZ	26.4871, 37.0333, 57.9800
YIQ	128.5910, -112.6910, -33.7070

Conversions

Conversions Part 2

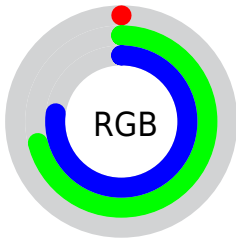
Format	Color
RYB	0, 94, 196
Decimal	46532
CIELab	67.30, -32.47, -18.48
CIELCh	67, 37.363, 209.649
Yxy	37.0333, 0.2180, 0.3048
Android (android.graphics.Color)	4278236612 (0xFF00B5C4)
YUV	128.5910, 33.2326, -112.7743
Hunter-Lab	60.8550, -28.8043, -13.8904

Details

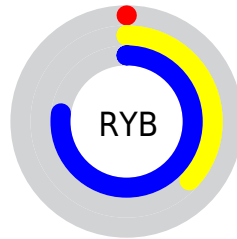
The Yxy color **37.0333, 0.2180, 0.3048** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **12.0784, 0.6347, 0.3342**, and the grayscale version is **21.7150, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.4850, 0.2349, 0.3096**, and **17.3913, 0.2162, 0.2984** is the 20% darker color. If you saturate the color by 10%, you get **37.0352, 0.2180, 0.3048**, and if you desaturate by 10%, it is **37.7932, 0.2202, 0.3073**.

Distribution



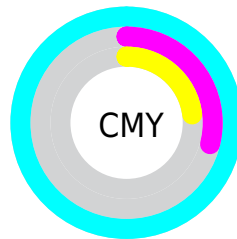
- Red (0%)
- Green (71%)
- Blue (77%)



- Red (0%)
- Yellow (37%)
- Blue (77%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (23%)





- Cyan (100%)
- Magenta (29%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.0333, 0.2180, 0.3048 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 37.0333, 0.2180, 0.3048 by changing the saturation by 10% instead.


 37.0333, 0.2180,
0.3048


 37.0333, 0.2180,
0.3048


333.4547, 0.2653,
0.3189


 25.2333, 0.2064,
0.3006


 70.6240, 0.2351,
0.3104


 16.2509, 0.1917,
0.2949


 93.1835, 0.2415,
0.3124


 9.7019, 0.1725,
0.2867


 120.0982, 0.2470,
0.3140

 5.2018, 0.1468,
0.2740

 151.7526, 0.2517,
0.3153

 2.3661, 0.1113,
0.2528

 188.5310, 0.2558,
0.3164

 0.8084, 0.0000,
0.2274

230.8179, 0.2593,

 0.0000, 0.0000,

0.3174

0.0000

278.9977, 0.2625,
0.3182

■ 37.0333, 0.2180,
0.3048

■ 37.0333, 0.2180,
0.3048

■ 37.0352, 0.2180,
0.3048

■ 37.7932, 0.2202,
0.3073

■ 38.7039, 0.2238,
0.3099

■ 39.8191, 0.2293,
0.3125

■ 41.1654, 0.2366,
0.3152

■ 42.7654, 0.2459,
0.3177

■ 44.6390, 0.2568,
0.3202

■ 46.8041, 0.2692,
0.3226

■ 49.2770, 0.2829,
0.3249

■ 52.0727, 0.2975,
0.3270

Harmonies

Analogous

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



37.0333, 0.2470, 0.3614



37.0333, 0.2180, 0.3048



37.0333, 0.2123, 0.2626

Triad

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



37.0333, 0.2180, 0.3048



37.0333, 0.3231, 0.2627



37.0333, 0.3979, 0.4178

Complementary

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



37.0333, 0.2180, 0.3048



12.0784, 0.6347, 0.3342

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.



37.0333, 0.4237, 0.3822



37.0333, 0.2180, 0.3048



37.0333, 0.3792, 0.2965

Square

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



37.0333, 0.2180, 0.3048



37.0333, 0.2687, 0.2432



37.0333, 0.4174, 0.3387



37.0333, 0.3502, 0.4318

Rectangle

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



37.0333, 0.2180, 0.3048



37.0333, 0.2215, 0.2466



37.0333, 0.4174, 0.3387



37.0333, 0.4096, 0.4076

Sweetspot

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



37.0352, 0.2180, 0.3048



84.5850, 0.2686, 0.3225



39.5121, 0.2989, 0.5960



17.7333, 0.2632, 0.3215



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.



37.0352, 0.2180, 0.3048



66.9129, 0.2179, 0.3044



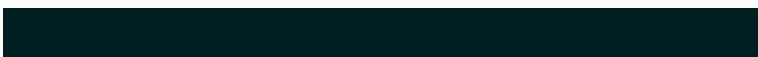
10.4728, 0.1710, 0.1356



11.2922, 0.2984, 0.3272



23.8518, 0.2181, 0.3052



1.0705, 0.2197, 0.3109

Inverse Universe

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



15.0730, 0.3412, 0.1653



27.2860, 0.3415, 0.1655



23.1209, 0.5218, 0.4239



10.2338, 0.3149, 0.3080



9.6901, 0.3409, 0.1652



0.4227, 0.3360, 0.1624

Previews

White Background



This preview shows how the Yxy color 37.0333, 0.2180, 0.3048 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 37.0333, 0.2180, 0.3048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

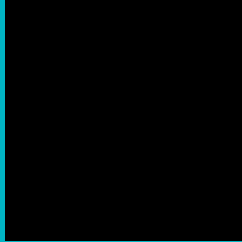
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.0333, 0.2180, 0.3048

Background



This preview shows how black text looks on a background with the Yxy color 37.0333, 0.2180, 0.3048.

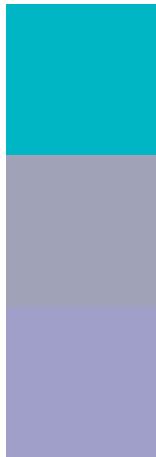


This preview shows how white text looks on a background with the Yxy color 37.0333, 0.2180, 0.3048.

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

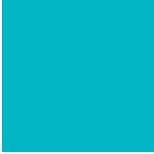
37.0333, 0.2180, 0.3048

Protanopia

36.7331, 0.2931, 0.2994

Deuteranopia

36.3842, 0.2780, 0.2716



Tritanopia

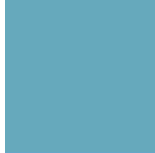
37.0333, 0.2180, 0.3048

Trichromacy



Original Color

37.0333, 0.2180, 0.3048



Protanomaly

34.8316, 0.2470, 0.2993



Deuteranomaly

34.5277, 0.2395, 0.2803



Tritanomaly

37.0333, 0.2180, 0.3048

Monochromacy



Original Color

37.0333, 0.2180, 0.3048



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

25.2736, 0.2507, 0.3197

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0333, 0.2180, 0.3048 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, 181, 196)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 196)  
}
```

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, 181, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 196) }
```

Border

The CSS property to change the border of an element to Yxy 37.0333, 0.2180, 0.3048 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, 181, 196) }
```

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

```
.border{ border-color:rgb(0, 181, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 181, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 196);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 37.0333, 0.2180, 0.3048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 196) }
```

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

```
.background{ background-color: rgb(0, 181,  
196) }
```

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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