

# Converting Colors

$Y_{xy}(37.2934, 0.2218, 0.3186)$

Have a look what the booklet for  
Yxy(37.2934, 0.2218, 0.3186)  
contains.

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# Color

**Yxy(37.1300, 0.2215, 0.3174)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00B6BD
RGB	0, 182, 189
RGB Percent	0%, 71%, 74%
CMY	1.0000, 0.2863, 0.2589
CMYK	1.00, 0.04, 0.00, 0.26
HSL	182°, 100%, 37%
HSV	182°, 100%, 74%
XYZ	25.9115, 37.1300, 53.9403
YIQ	128.3800, -110.7190, -36.4070

# Conversions

## Conversions Part 2

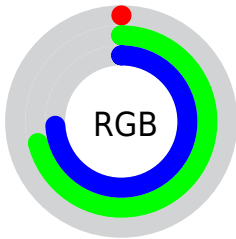
Format	Color
<a href="#">RYB</a>	<a href="#">0, 93, 189</a>
Decimal	<a href="#">46781</a>
CIELab	<a href="#">67.37, -35.17, -14.50</a>
CIELCh	<a href="#">67, 38.040, 202.411</a>
Yxy	<a href="#">37.1300, 0.2215, 0.3174</a>
Android (android.graphics.Color)	<a href="#">4278236861 (0xFF00B6BD)</a>
YUV	<a href="#">128.3800, 29.8857, -112.5893</a>
Hunter-Lab	<a href="#">60.9344, -30.7307, -9.8306</a>

# Details

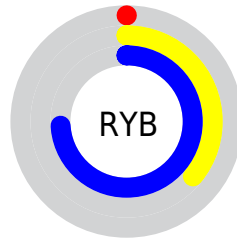
The Yxy color **37.1300, 0.2215, 0.3174** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **10.9695, 0.6375, 0.3320**, and the grayscale version is **21.6489, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.5083, 0.2381, 0.3203**, and **17.2159, 0.2197, 0.3110** is the 20% darker color. If you saturate the color by 10%, you get **37.1318, 0.2215, 0.3174**, and if you desaturate by 10%, it is **37.5562, 0.2233, 0.3186**.

# Distribution



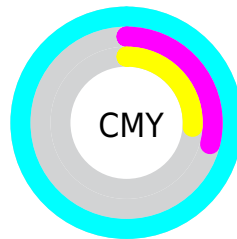
- Red (0%)
- Green (71%)
- Blue (74%)



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



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (26%)




- Cyan (100%)
- Magenta (29%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.1300, 0.2215, 0.3174 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 37.1300, 0.2215, 0.3174 by changing the saturation by 10% instead.





 37.1300, 0.2215,  
0.3174


 37.1300, 0.2215,  
0.3174


333.8730, 0.2673,  
0.3249


 25.3082, 0.2102,  
0.3149


 70.7727, 0.2381,  
0.3206

 16.3068, 0.1958,  
0.3114


 93.3623, 0.2443,  
0.3216

 9.7415, 0.1769,  
0.3061


 120.3100, 0.2496,  
0.3225

 5.2279, 0.1513,  
0.2975

 152.0001, 0.2542,  
0.3231

 2.3816, 0.1156,  
0.2819

 188.8171, 0.2581,  
0.3237

 0.8164, 0.0000,  
0.2671

231.1453, 0.2615,

 0.0000, 0.0000,

0.3242

0.0000

279.3691, 0.2646,  
0.3246

■ 37.1300, 0.2215,  
0.3174

■ 37.1300, 0.2215,  
0.3174

■ 37.1318, 0.2215,  
0.3174

■ 37.5562, 0.2233,  
0.3186

■ 38.1154, 0.2265,  
0.3198

■ 38.8579, 0.2315,  
0.3210

■ 39.8082, 0.2383,  
0.3223

■ 40.9868, 0.2471,  
0.3235

■ 42.4119, 0.2576,  
0.3247

■ 44.0998, 0.2697,  
0.3259

■ 46.0653, 0.2831,  
0.3270

■ 48.3223, 0.2975,  
0.3280

# Harmonies

## Analogous

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



37.1300, 0.2562, 0.3759



37.1300, 0.2215, 0.3174



37.1300, 0.2100, 0.2699

# Triad

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



37.1300, 0.2215, 0.3174



37.1300, 0.3090, 0.2554



37.1300, 0.4081, 0.4119

# Complementary

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



37.1300, 0.2215, 0.3174



10.9695, 0.6375, 0.3320

# 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.



37.1300, 0.4272, 0.3726



37.1300, 0.2215, 0.3174



37.1300, 0.3675, 0.2866

# Square

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



37.1300, 0.2215, 0.3174



37.1300, 0.2567, 0.2398



37.1300, 0.4125, 0.3280



37.1300, 0.3637, 0.4330



# Rectangle

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



37.1300, 0.2215, 0.3174



37.1300, 0.2155, 0.2500



37.1300, 0.4125, 0.3280



37.1300, 0.4179, 0.4000

# Sweetspot

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



37.1318, 0.2215, 0.3174



78.8335, 0.2691, 0.3258



36.4058, 0.2994, 0.5980



16.6681, 0.2638, 0.3253



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.



37.1318, 0.2215, 0.3174



66.4271, 0.2215, 0.3172



10.6855, 0.1741, 0.1466



10.7474, 0.2985, 0.3281



25.0114, 0.2216, 0.3176



0.9987, 0.2223, 0.3204



# Inverse Universe

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



14.1955, 0.3304, 0.1594



25.4181, 0.3305, 0.1595



20.0857, 0.5312, 0.4165



9.6900, 0.3143, 0.3072



9.5546, 0.3303, 0.1593



0.3762, 0.3278, 0.1580



# Previews

## White Background



This preview shows how the Yxy color 37.1300, 0.2215, 0.3174 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 37.1300, 0.2215, 0.3174 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

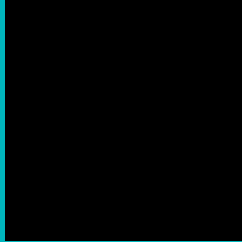
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

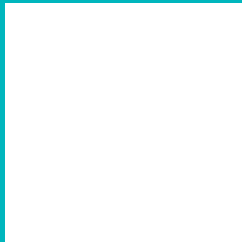
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 37.1300, 0.2215, 0.3174**

## **Background**



This preview shows how black text looks on a background with the Yxy color 37.1300, 0.2215, 0.3174.

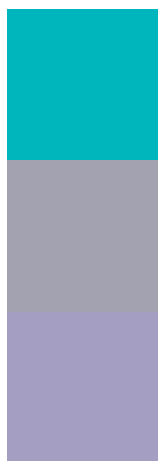


This preview shows how white text looks on a background with the Yxy color 37.1300, 0.2215, 0.3174.

# 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

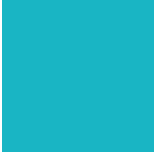
37.1300, 0.2215, 0.3174

### Protanopia

36.6566, 0.3007, 0.3091

### Deuteranopia

36.5838, 0.2877, 0.2811



## **Tritanopia**

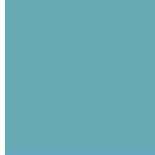
37.2399, 0.2202, 0.3049

# Trichromacy



## Original Color

37.1300, 0.2215, 0.3174



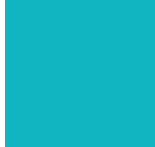
## Protanomaly

34.5957, 0.2519, 0.3099



## Deuteranomaly

34.3863, 0.2453, 0.2904



## Tritanomaly

37.0082, 0.2205, 0.3095

# Monochromacy



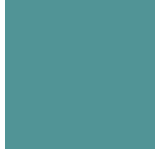
## Original Color

37.1300, 0.2215, 0.3174



## Achromatopsia

21.5861, 0.3127, 0.3290



## Achromatomaly

25.1311, 0.2521, 0.3251

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.1300, 0.2215, 0.3174 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, 189)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 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(0, 182, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 37.1300, 0.2215, 0.3174 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, 189) }
```

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

```
.border{ border-color:rgb(0, 182, 189) }
```

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, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 189);  
box-shadow:4px 4px 4px 4px rgb(0, 182,  
189) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.1300, 0.2215, 0.3174 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, 189) }
```

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

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