

Converting Colors

$Y_{xy}(36.4858, 0.2137, 0.3328)$

Have a look what the booklet for
Yxy(36.4858, 0.2137, 0.3328)
contains.

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Color

Yxy(37.6172, 0.2260, 0.3337)

Conversions

Conversions Part 1

Format	Color
Hex	00B8B5
RGB	0, 184, 181
RGB Percent	0%, 72%, 71%
CMY	1.0000, 0.2784, 0.2902
CMYK	1.00, 0.00, 0.02, 0.28
HSL	179°, 100%, 36%
HSV	179°, 100%, 72%
XYZ	25.4764, 37.6172, 49.6340
YIQ	128.6420, -108.7010, -39.9410

Conversions

Conversions Part 2

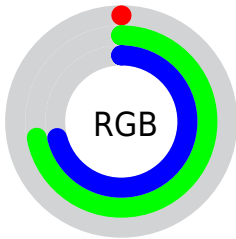
Format	Color
RYB	0, 93, 184
Decimal	47285
CIELab	67.74, -38.56, -9.55
CIELCh	68, 39.721, 193.908
Yxy	37.6172, 0.2260, 0.3337
Android (android.graphics.Color)	4278237365 (0xFF00B8B5)
YUV	128.6420, 25.8125, -112.8190
Hunter-Lab	61.3329, -33.1872, -5.0478

Details

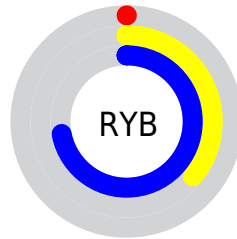
The Yxy color **37.6172, 0.2260, 0.3337** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **10.1982, 0.6383, 0.3290**, and the grayscale version is **21.7602, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7343, 0.2419, 0.3337**, and **17.5238, 0.2259, 0.3333** is the 20% darker color. If you saturate the color by 10%, you get **37.6215, 0.2260, 0.3337**, and if you desaturate by 10%, it is **37.7664, 0.2274, 0.3332**.

Distribution



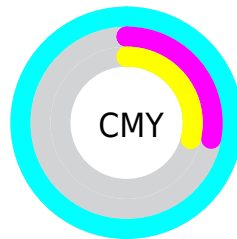
- Red (0%)
- Green (72%)
- Blue (71%)



- Red (0%)
- Yellow (36%)
- Blue (72%)



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (28%)



- Cyan (100%)
- Magenta (28%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.6172, 0.2260, 0.3337 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 37.6172, 0.2260, 0.3337 by changing the saturation by 10% instead.

 37.6172, 0.2260,
0.3337


 37.6172, 0.2260,
0.3337


335.9750, 0.2697,
0.3325


 25.6857, 0.2151,
0.3336


 71.5210, 0.2419,
0.3336


 16.5887, 0.2012,
0.3331


 94.2622, 0.2479,
0.3334

 9.9417, 0.1828,
0.3320


 121.3753, 0.2529,
0.3333

 5.3603, 0.1576,
0.3294

 153.2449, 0.2572,
0.3331

 2.4602, 0.1219,
0.3231

 190.2552, 0.2610,
0.3330

 0.8566, 0.0000,
0.3286

232.7908, 0.2643,

 0.0000, 0.0000,

0.3328

0.0000

281.2359, 0.2671,
0.3327

■ 37.6172, 0.2260,
0.3337

■ 37.6172, 0.2260,
0.3337

■ 37.6215, 0.2260,
0.3337

■ 37.7664, 0.2274,
0.3332

■ 38.0359, 0.2300,
0.3327

■ 38.4767, 0.2345,
0.3322

■ 39.1113, 0.2408,
0.3316

■ 39.9592, 0.2490,
0.3311

■ 41.0372, 0.2591,
0.3307

■ 42.3607, 0.2707,
0.3302

■ 43.9435, 0.2837,
0.3298

■ 45.7986, 0.2978,
0.3294

Harmonies

Analogous

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



37.6172, 0.2678, 0.3940



37.6172, 0.2260, 0.3337



37.6172, 0.2072, 0.2793

Triad

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



37.6172, 0.2260, 0.3337



37.6172, 0.2920, 0.2464



37.6172, 0.4205, 0.4043

Complementary

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



37.6172, 0.2260, 0.3337



10.1982, 0.6383, 0.3290

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.



37.6172, 0.4311, 0.3608



37.6172, 0.2260, 0.3337



37.6172, 0.3528, 0.2745

Square

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



37.6172, 0.2260, 0.3337



37.6172, 0.2423, 0.2357



37.6172, 0.4058, 0.3149



37.6172, 0.3804, 0.4337

Rectangle

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



37.6172, 0.2260, 0.3337



37.6172, 0.2084, 0.2544



37.6172, 0.4058, 0.3149



37.6172, 0.4278, 0.3906

Sweetspot

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



37.6215, 0.2260, 0.3337



76.6494, 0.2701, 0.3302



34.3051, 0.3004, 0.5997



16.2978, 0.2650, 0.3304



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



37.6215, 0.2260, 0.3337



68.1870, 0.2261, 0.3338



11.6585, 0.1787, 0.1634



10.2080, 0.2988, 0.3293



25.9263, 0.2260, 0.3336



0.9148, 0.2256, 0.3323

Inverse Universe

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



10.1982, 0.6383, 0.3290



18.4814, 0.6388, 0.3293



17.3261, 0.5455, 0.4050



9.0145, 0.3285, 0.3287



7.0287, 0.6379, 0.3288



0.2486, 0.6294, 0.3241

Previews

White Background



This preview shows how the Yxy color 37.6172, 0.2260, 0.3337 looks on a white background.

Color Contrast Check

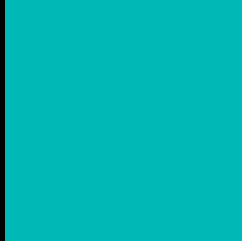
Large Text (above 18pt) WCAG AA × Fail

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 37.6172, 0.2260, 0.3337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

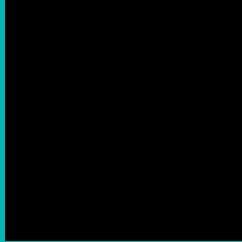
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

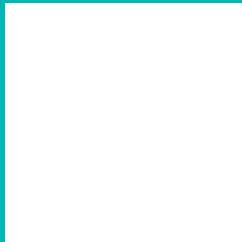
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.6172, 0.2260, 0.3337

Background



This preview shows how black text looks on a background with the Yxy color 37.6172, 0.2260, 0.3337.

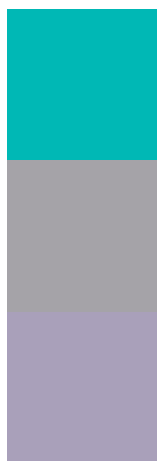


This preview shows how white text looks on a background with the Yxy color 37.6172, 0.2260, 0.3337.

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

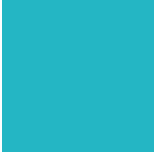
37.6172, 0.2260, 0.3337

Protanopia

37.0209, 0.3102, 0.3219

Deuteranopia

37.1218, 0.2987, 0.2933



Tritanopia

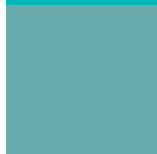
37.8165, 0.2224, 0.3067

Trichromacy



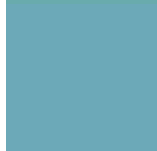
Original Color

37.6172, 0.2260, 0.3337



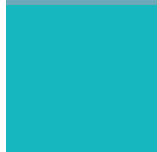
Protanomaly

35.1462, 0.2588, 0.3257



Deuteranomaly

35.0248, 0.2532, 0.3056



Tritanomaly

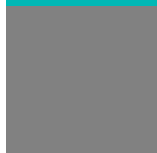
37.8107, 0.2230, 0.3159

Monochromacy



Original Color

37.6172, 0.2260, 0.3337



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

25.4268, 0.2545, 0.3307

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6172, 0.2260, 0.3337 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, 184, 181)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 181)  
}
```

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, 184, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 181) }
```

Border

The CSS property to change the border of an element to Yxy 37.6172, 0.2260, 0.3337 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, 184, 181) }
```

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

```
.border{ border-color:rgb(0, 184, 181) }
```

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

Here you see how a box with a 4 pixel rgb(0, 184, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 181);  
box-shadow:4px 4px 4px 4px rgb(0, 184,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6172, 0.2260, 0.3337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 184, 181) }
```

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

```
.background{ background-color: rgb(0, 184,  
181) }
```

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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