

Converting Colors

$Yxy(33.4681, 0.1720, 0.3296)$

Have a look what the booklet for
Yxy(33.4681, 0.1720, 0.3296)
contains.

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Color

Yxy(37.6999, 0.2251, 0.3304)

Conversions

Conversions Part 1

Format	Color
Hex	00B8B7
RGB	0, 184, 183
RGB Percent	0%, 72%, 72%
CMY	1.0000, 0.2784, 0.2824
CMYK	1.00, 0.00, 0.01, 0.28
HSL	180°, 100%, 36%
HSV	180°, 100%, 72%
XYZ	25.6848, 37.6999, 50.7191
YIQ	128.8700, -109.3430, -39.3190

Conversions

Conversions Part 2

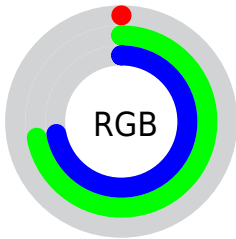
Format	Color
RYB	0, 92, 184
Decimal	47287
CIELab	67.80, -37.94, -10.56
CIELCh	68, 39.385, 195.546
Yxy	37.6999, 0.2251, 0.3304
Android (android.graphics.Color)	4278237367 (0xFF00B8B7)
YUV	128.8700, 26.6861, -113.0190
Hunter-Lab	61.4002, -32.7808, -5.9958

Details

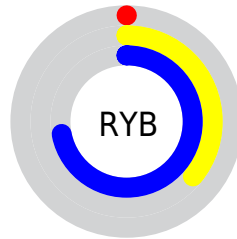
The Yxy color **37.6999, 0.2251, 0.3304** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **10.1935, 0.6395, 0.3296**, and the grayscale version is **21.8400, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.8519, 0.2411, 0.3312**, and **17.5770, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **37.7027, 0.2251, 0.3304**, and if you desaturate by 10%, it is **37.8395, 0.2265, 0.3302**.

Distribution



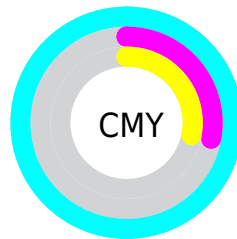
- Red (0%)
- Green (72%)
- Blue (72%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (28%)





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

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.6999, 0.2251, 0.3304 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 37.6999, 0.2251, 0.3304 by changing the saturation by 10% instead.

 37.6999, 0.2251,
0.3304


 37.6999, 0.2251,
0.3304


336.3309, 0.2692,
0.3310

 25.7499, 0.2141,
0.3298


 71.6479, 0.2411,
0.3309

 16.6366, 0.2001,
0.3287


 94.4147, 0.2471,
0.3310


 9.9757, 0.1817,
0.3267


 121.5558, 0.2522,
0.3311

 5.3829, 0.1565,
0.3229

 153.4558, 0.2566,
0.3311

 2.4736, 0.1209,
0.3146

 190.4988, 0.2604,
0.3311

 0.8634, 0.0000,
0.3160

233.0694, 0.2637,

 0.0000, 0.0000,

0.3311

0.0000

281.5520, 0.2666,
0.3310

■ 37.6999, 0.2251,
0.3304

■ 37.6999, 0.2251,
0.3304

■ 37.7027, 0.2251,
0.3304

■ 37.8395, 0.2265,
0.3302

■ 38.1008, 0.2293,
0.3301

■ 38.5334, 0.2338,
0.3299

■ 39.1598, 0.2402,
0.3297

■ 39.9994, 0.2485,
0.3296

■ 41.0691, 0.2586,
0.3295

■ 42.3842, 0.2703,
0.3293

■ 43.9587, 0.2834,
0.3292

■ 45.8054, 0.2976,
0.3291

Harmonies

Analogous

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



37.6999, 0.2655, 0.3904



37.6999, 0.2251, 0.3304



37.6999, 0.2077, 0.2774

Triad

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



37.6999, 0.2251, 0.3304



37.6999, 0.2954, 0.2482



37.6999, 0.4180, 0.4058

Complementary

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



37.6999, 0.2251, 0.3304



10.1935, 0.6395, 0.3296

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.



37.6999, 0.4304, 0.3631



37.6999, 0.2251, 0.3304



37.6999, 0.3557, 0.2769

Square

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



37.6999, 0.2251, 0.3304



37.6999, 0.2451, 0.2365



37.6999, 0.4072, 0.3175



37.6999, 0.3771, 0.4336

Rectangle

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



37.6999, 0.2251, 0.3304



37.6999, 0.2098, 0.2535



37.6999, 0.4072, 0.3175



37.6999, 0.4259, 0.3925

Sweetspot

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



37.7027, 0.2251, 0.3304



76.6955, 0.2697, 0.3293



34.3039, 0.3004, 0.5997



16.3091, 0.2646, 0.3294



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.



37.7027, 0.2251, 0.3304



68.3391, 0.2251, 0.3304



11.6581, 0.1787, 0.1634



10.2098, 0.2986, 0.3291



25.9825, 0.2251, 0.3304



0.9162, 0.2250, 0.3299

Inverse Universe

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



10.1935, 0.6395, 0.3296



18.4757, 0.6397, 0.3297



17.3255, 0.5455, 0.4050



9.0130, 0.3287, 0.3289



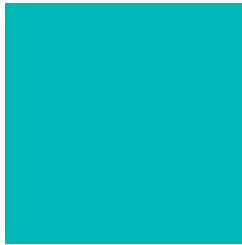
7.0250, 0.6394, 0.3296



0.2479, 0.6364, 0.3280

Previews

White Background



This preview shows how the Yxy color 37.6999, 0.2251, 0.3304 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 37.6999, 0.2251, 0.3304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

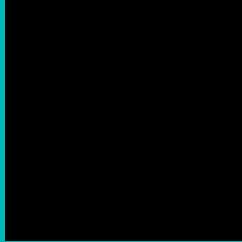
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

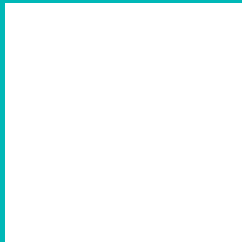
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.6999, 0.2251, 0.3304

Background



This preview shows how black text looks on a background with the Yxy color 37.6999, 0.2251, 0.3304.

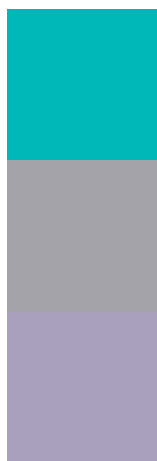


This preview shows how white text looks on a background with the Yxy color 37.6999, 0.2251, 0.3304.

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

37.6999, 0.2251, 0.3304

Protanopia

37.0960, 0.3085, 0.3191

Deuteranopia

37.0973, 0.2961, 0.2906



Tritanopia

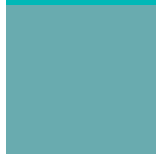
37.8272, 0.2216, 0.3051

Trichromacy



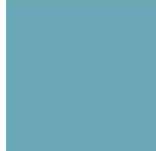
Original Color

37.6999, 0.2251, 0.3304



Protanomaly

35.2242, 0.2575, 0.3225



Deuteranomaly

35.0469, 0.2513, 0.3025



Tritanomaly

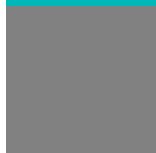
37.8433, 0.2224, 0.3144

Monochromacy



Original Color

37.6999, 0.2251, 0.3304



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

25.4587, 0.2538, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6999, 0.2251, 0.3304 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, 183)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 183)  
}
```

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, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 183) }
```

Border

The CSS property to change the border of an element to Yxy 37.6999, 0.2251, 0.3304 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, 183) }
```

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

```
.border{ border-color:rgb(0, 184, 183) }
```

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, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 183);  
box-shadow:4px 4px 4px 4px rgb(0, 184,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6999, 0.2251, 0.3304 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, 183) }
```

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

```
.background{ background-color: rgb(0, 184,  
183) }
```

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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