

Converting Colors

$Y_{xy}(36.3950, 0.2244, 0.3569)$

Have a look what the booklet for
Yxy(36.3950, 0.2244, 0.3569)
contains.

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Color

Yxy(37.1081, 0.2322, 0.3560)

Conversions

Conversions Part 1

Format	Color
Hex	00B8A8
RGB	0, 184, 168
RGB Percent	0%, 72%, 66%
CMY	1.0000, 0.2784, 0.3412
CMYK	1.00, 0.00, 0.09, 0.28
HSL	175°, 100%, 36%
HSV	175°, 100%, 72%
XYZ	24.2037, 37.1081, 42.9245
YIQ	127.1600, -104.5280, -43.9840

Conversions

Conversions Part 2

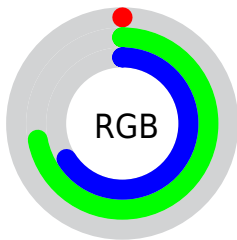
Format	Color
RYB	0, 96, 184
Decimal	47272
CIELab	67.36, -42.38, -2.93
CIELCh	67, 42.482, 183.952
Yxy	37.1081, 0.2322, 0.3560
Android (android.graphics.Color)	4278237352 (0xFF00B8A8)
YUV	127.1600, 20.1341, -111.5193
Hunter-Lab	60.9164, -35.6811, 0.8631

Details

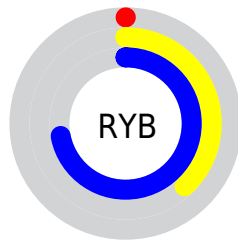
The Yxy color **37.1081, 0.2322, 0.3560** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **10.2291, 0.6304, 0.3246**, and the grayscale version is **21.2390, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.8910, 0.2475, 0.3515**, and **17.2262, 0.2338, 0.3617** is the 20% darker color. If you saturate the color by 10%, you get **37.1117, 0.2322, 0.3560**, and if you desaturate by 10%, it is **37.3043, 0.2330, 0.3531**.

Distribution



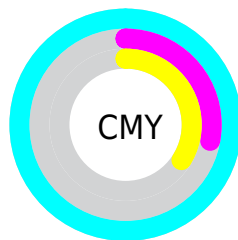
- Red (0%)
- Green (72%)
- Blue (66%)



- Red (0%)
- Yellow (38%)
- Blue (72%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (28%)





- Cyan (100%)
- Magenta (28%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.1081, 0.2322, 0.3560 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 37.1081, 0.2322, 0.3560 by changing the saturation by 10% instead.


 37.1081, 0.2322,
0.3560


 37.1081, 0.2322,
0.3560


333.7783, 0.2733,
0.3426


 25.2912, 0.2217,
0.3593


 70.7390, 0.2473,
0.3512

 16.2941, 0.2083,
0.3634


 93.3218, 0.2529,
0.3493

 9.7325, 0.1902,
0.3687


 120.2620, 0.2577,
0.3478

 5.2220, 0.1651,
0.3758

 151.9441, 0.2617,
0.3465

 2.3781, 0.1282,
0.3851

 188.7523, 0.2652,
0.3453

 0.8146, 0.0000,
0.4261

231.0712, 0.2682,

 0.0000, 0.0000,

0.3443

0.0000

279.2850, 0.2709,
0.3434

■ 37.1081, 0.2322,
0.3560

■ 37.1081, 0.2322,
0.3560

■ 37.1117, 0.2322,
0.3560

■ 37.3043, 0.2330,
0.3531

■ 37.6223, 0.2352,
0.3502

■ 38.1122, 0.2392,
0.3472

■ 38.7967, 0.2450,
0.3443

■ 39.6952, 0.2528,
0.3414

■ 40.8245, 0.2623,
0.3386

■ 42.2000, 0.2732,
0.3359

■ 43.8356, 0.2855,
0.3334

■ 45.7442, 0.2988,
0.3311

Harmonies

Analogous

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



37.1081, 0.2832, 0.4173



37.1081, 0.2322, 0.3560



37.1081, 0.2039, 0.2925

Triad

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



37.1081, 0.2322, 0.3560



37.1081, 0.2707, 0.2351



37.1081, 0.4360, 0.3941

Complementary

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



37.1081, 0.2322, 0.3560



10.2291, 0.6304, 0.3246

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.



37.1081, 0.4351, 0.3458



37.1081, 0.2322, 0.3560



37.1081, 0.3336, 0.2593

Square

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



37.1081, 0.2322, 0.3560



37.1081, 0.2245, 0.2305



37.1081, 0.3962, 0.2984



37.1081, 0.4016, 0.4331

Rectangle

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



37.1081, 0.2322, 0.3560



37.1081, 0.1995, 0.2607



37.1081, 0.3962, 0.2984



37.1081, 0.4400, 0.3784

Sweetspot

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



37.1117, 0.2322, 0.3560



76.3537, 0.2727, 0.3361



34.4176, 0.3024, 0.5981



16.2255, 0.2679, 0.3372



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.



37.1117, 0.2322, 0.3560



67.2489, 0.2324, 0.3565



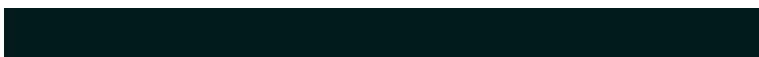
14.7008, 0.1868, 0.1924



10.1968, 0.2997, 0.3310



25.5793, 0.2321, 0.3556



0.9057, 0.2300, 0.3481

Inverse Universe

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



10.2291, 0.6304, 0.3246



18.5265, 0.6324, 0.3257



15.0364, 0.5696, 0.3859



9.0246, 0.3274, 0.3270



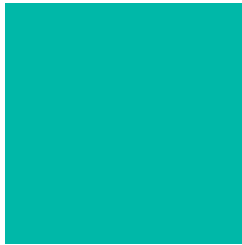
7.0536, 0.6286, 0.3237



0.2529, 0.5880, 0.3013

Previews

White Background



This preview shows how the Yxy color 37.1081, 0.2322, 0.3560 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 37.1081, 0.2322, 0.3560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

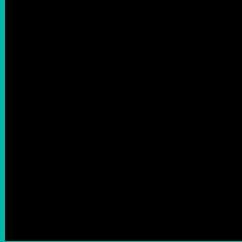
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

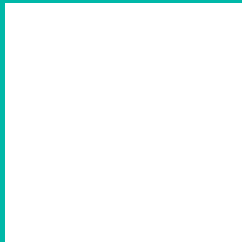
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.1081, 0.2322, 0.3560

Background



This preview shows how black text looks on a background with the Yxy color 37.1081, 0.2322, 0.3560.

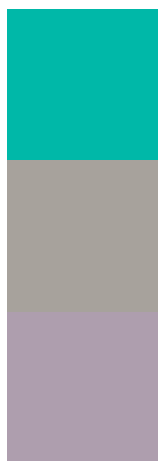


This preview shows how white text looks on a background with the Yxy color 37.1081, 0.2322, 0.3560.

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

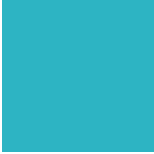
37.1081, 0.2322, 0.3560

Protanopia

36.4565, 0.3229, 0.3377

Deuteranopia

36.5084, 0.3138, 0.3069



Tritanopia

37.1405, 0.2238, 0.3050

Trichromacy



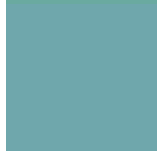
Original Color

37.1081, 0.2322, 0.3560



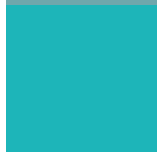
Protanomaly

34.3517, 0.2680, 0.3452



Deuteranomaly

33.9955, 0.2626, 0.3209



Tritanomaly

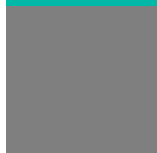
36.8117, 0.2257, 0.3222

Monochromacy



Original Color

37.1081, 0.2322, 0.3560



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

24.8821, 0.2579, 0.3402

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1081, 0.2322, 0.3560 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, 168)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 168)  
}
```

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, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 168) }
```

Border

The CSS property to change the border of an element to Yxy 37.1081, 0.2322, 0.3560 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, 168) }
```

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

```
.border{ border-color:rgb(0, 184, 168) }
```

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, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 168);  
box-shadow:4px 4px 4px 4px rgb(0, 184,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1081, 0.2322, 0.3560 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, 168) }
```

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

```
.background{ background-color: rgb(0, 184,  
168) }
```

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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