

Converting Colors

$Y_{xy}(37.8980, 0.2346, 0.3647)$

Have a look what the booklet for
Yxy(37.8980, 0.2346, 0.3647)
contains.

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Color

Yxy(37.8344, 0.2346, 0.3645)

Conversions

Conversions Part 1

Format	Color
Hex	00BAA5
RGB	0, 186, 165
RGB Percent	0%, 73%, 65%
CMY	0.9994, 0.2706, 0.3530
CMYK	1.00, 0.00, 0.11, 0.27
HSL	173°, 100%, 37%
HSV	173°, 100%, 73%
XYZ	24.3510, 37.8344, 41.6127
YIQ	127.9920, -104.1150, -45.9630

Conversions

Conversions Part 2

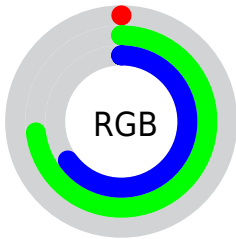
Format	Color
RYB	0, 99, 186
Decimal	47781
CIELab	67.90, -44.07, -0.49
CIELCh	68, 44.071, 180.633
Yxy	37.8344, 0.2346, 0.3645
Android (android.graphics.Color)	4278237861 (0xFF00BAA5)
YUV	127.9920, 18.2449, -112.2490
Hunter-Lab	61.5097, -36.9757, 2.9458

Details

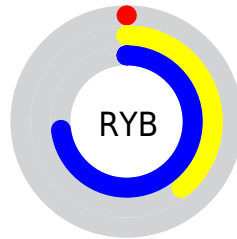
The Yxy color **37.8344, 0.2346, 0.3645** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **10.4975, 0.6263, 0.3224**, and the grayscale version is **21.5634, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9211, 0.2493, 0.3578**, and **17.6948, 0.2371, 0.3735** is the 20% darker color. If you saturate the color by 10%, you get **37.8342, 0.2346, 0.3645**, and if you desaturate by 10%, it is **38.0481, 0.2351, 0.3607**.

Distribution



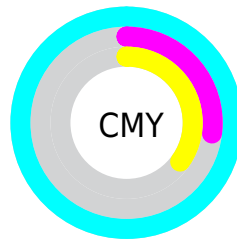
- Red (0%)
- Green (73%)
- Blue (65%)



- Red (0%)
- Yellow (39%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (27%)





- Cyan (100%)
- Magenta (27%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8344, 0.2346, 0.3645 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 37.8344, 0.2346, 0.3645 by changing the saturation by 10% instead.


 37.8344, 0.2346,
0.3645

 37.8344, 0.2346,
0.3645


336.9091, 0.2745,
0.3464

 25.8542, 0.2244,
0.3691


 71.8542, 0.2493,
0.3579

 16.7146, 0.2113,
0.3750

 94.6627, 0.2548,
0.3554

 10.0312, 0.1936,
0.3829


 121.8493, 0.2594,
0.3533

 5.4197, 0.1690,
0.3939

 153.7985, 0.2633,
0.3515

 2.4955, 0.1326,
0.4099

 190.8947, 0.2667,
0.3500

 0.8744, 0.0000,
0.4699

233.5222, 0.2696,

 0.0000, 0.0000,

0.3487

0.0000

282.0656, 0.2722,
0.3475

■ 37.8344, 0.2346,
0.3645

■ 37.8344, 0.2346,
0.3645

■ 37.8342, 0.2346,
0.3645

■ 38.0481, 0.2351,
0.3607

■ 38.3905, 0.2371,
0.3568

■ 38.9098, 0.2409,
0.3529

■ 39.6294, 0.2467,
0.3490

■ 40.5691, 0.2542,
0.3452

■ 41.7462, 0.2635,
0.3415

■ 43.1764, 0.2743,
0.3381

■ 44.8740, 0.2863,
0.3348

■ 46.8524, 0.2992,
0.3318

Harmonies

Analogous

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



37.8344, 0.2889, 0.4258



37.8344, 0.2346, 0.3645



37.8344, 0.2029, 0.2976

Triad

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



37.8344, 0.2346, 0.3645



37.8344, 0.2631, 0.2311



37.8344, 0.4414, 0.3902

Complementary

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



37.8344, 0.2346, 0.3645



10.4975, 0.6263, 0.3224

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.



37.8344, 0.4363, 0.3403



37.8344, 0.2346, 0.3645



37.8344, 0.3265, 0.2538

Square

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



37.8344, 0.2346, 0.3645



37.8344, 0.2183, 0.2287



37.8344, 0.3924, 0.2924



37.8344, 0.4093, 0.4324

Rectangle

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



37.8344, 0.2346, 0.3645



37.8344, 0.1965, 0.2631



37.8344, 0.3924, 0.2924



37.8344, 0.4443, 0.3739

Sweetspot

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



37.8358, 0.2346, 0.3645



78.0944, 0.2736, 0.3383



35.2876, 0.3029, 0.5976



16.9457, 0.2689, 0.3397



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.



37.8358, 0.2346, 0.3645



68.5525, 0.2348, 0.3652



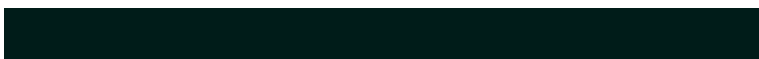
15.7535, 0.1885, 0.1983



10.1927, 0.3000, 0.3316



25.4602, 0.2345, 0.3640



0.9025, 0.2317, 0.3541

Inverse Universe

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



10.4975, 0.6263, 0.3224



19.0024, 0.6288, 0.3238



14.9970, 0.5742, 0.3822



9.0283, 0.3270, 0.3264



7.0654, 0.6244, 0.3213



0.2545, 0.5746, 0.2939

Previews

White Background



This preview shows how the Yxy color 37.8344, 0.2346, 0.3645 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 37.8344, 0.2346, 0.3645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

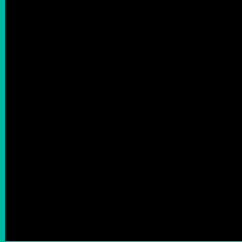
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

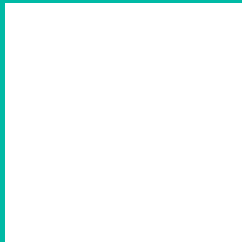
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.8344, 0.2346, 0.3645

Background



This preview shows how black text looks on a background with the Yxy color 37.8344, 0.2346, 0.3645.

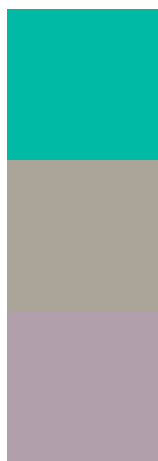


This preview shows how white text looks on a background with the Yxy color 37.8344, 0.2346, 0.3645.

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

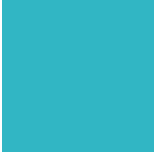
37.8344, 0.2346, 0.3645

Protanopia

37.3969, 0.3282, 0.3447

Deuteranopia

37.0837, 0.3193, 0.3125



Tritanopia

38.0944, 0.2252, 0.3068

Trichromacy



Original Color

37.8344, 0.2346, 0.3645



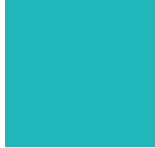
Protanomaly

35.1275, 0.2718, 0.3534



Deuteranomaly

34.7512, 0.2665, 0.3289



Tritanomaly

37.6611, 0.2269, 0.3255

Monochromacy



Original Color

37.8344, 0.2346, 0.3645



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

25.2118, 0.2597, 0.3439

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8344, 0.2346, 0.3645 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, 186, 165)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 165)  
}
```

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, 186, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 165) }
```

Border

The CSS property to change the border of an element to Yxy 37.8344, 0.2346, 0.3645 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, 186, 165) }
```

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

```
.border{ border-color:rgb(0, 186, 165) }
```

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

Here you see how a box with a 4 pixel rgb(0, 186, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 165);  
box-shadow:4px 4px 4px 4px rgb(0, 186,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8344, 0.2346, 0.3645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 186, 165) }
```

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

```
.background{ background-color: rgb(0, 186,  
165) }
```

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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