

Converting Colors

$Y_{xy}(37.3197, 0.2274, 0.3385)$

Have a look what the booklet for
Yxy(37.3197, 0.2274, 0.3385)
contains.

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Color

Yxy(37.4953, 0.2274, 0.3387)

Conversions

Conversions Part 1

Format	Color
Hex	00B8B2
RGB	0, 184, 178
RGB Percent	0%, 72%, 70%
CMY	1.0000, 0.2784, 0.3019
CMYK	1.00, 0.00, 0.03, 0.28
HSL	178°, 100%, 36%
HSV	178°, 100%, 72%
XYZ	25.1740, 37.4953, 48.0343
YIQ	128.3000, -107.7380, -40.8740

Conversions

Conversions Part 2

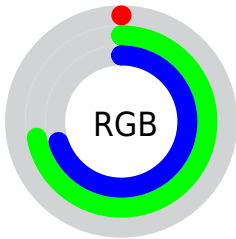
Format	Color
RYB	0, 94, 184
Decimal	47282
CIELab	67.65, -39.45, -8.03
CIELCh	68, 40.256, 191.509
Yxy	37.4953, 0.2274, 0.3387
Android (android.graphics.Color)	4278237362 (0xFF00B8B2)
YUV	128.3000, 24.5021, -112.5191
Hunter-Lab	61.2334, -33.7744, -3.6464

Details

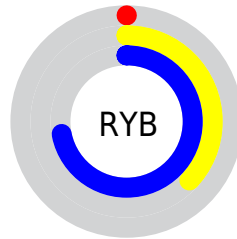
The Yxy color **37.4953, 0.2274, 0.3387** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **10.2043, 0.6366, 0.3281**, and the grayscale version is **21.6390, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.5604, 0.2431, 0.3375**, and **17.4459, 0.2278, 0.3402** is the 20% darker color. If you saturate the color by 10%, you get **37.4986, 0.2274, 0.3387**, and if you desaturate by 10%, it is **37.6552, 0.2286, 0.3377**.

Distribution



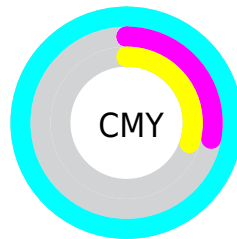
- Red (0%)
- Green (72%)
- Blue (70%)



- Red (0%)
- Yellow (37%)
- Blue (72%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (28%)



- Cyan (100%)
- Magenta (28%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.4953, 0.2274, 0.3387 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 37.4953, 0.2274, 0.3387 by changing the saturation by 10% instead.


 37.4953, 0.2274,
0.3387


 37.4953, 0.2274,
0.3387


335.4500, 0.2705,
0.3348


 25.5912, 0.2166,
0.3393


 71.3339, 0.2431,
0.3375


 16.5181, 0.2028,
0.3399


 94.0372, 0.2490,
0.3370


 9.8915, 0.1844,
0.3401


 121.1090, 0.2540,
0.3366

 5.3271, 0.1593,
0.3395

 152.9338, 0.2582,
0.3361

 2.4404, 0.1233,
0.3363

 189.8959, 0.2619,
0.3358

 0.8466, 0.0000,
0.3486

232.3797, 0.2652,

 0.0000, 0.0000,

0.3354

0.0000

280.7696, 0.2680,
0.3351

■ 37.4953, 0.2274,
0.3387

■ 37.4953, 0.2274,
0.3387

■ 37.4986, 0.2274,
0.3387

■ 37.6552, 0.2286,
0.3377

■ 37.9366, 0.2312,
0.3366

■ 38.3893, 0.2355,
0.3356

■ 39.0359, 0.2418,
0.3345

■ 39.8959, 0.2499,
0.3335

■ 40.9860, 0.2598,
0.3325

■ 42.3217, 0.2713,
0.3315

■ 43.9168, 0.2841,
0.3306

■ 45.7842, 0.2980,
0.3298

Harmonies

Analogous

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



37.4953, 0.2713, 0.3994



37.4953, 0.2274, 0.3387



37.4953, 0.2064, 0.2822

Triad

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



37.4953, 0.2274, 0.3387



37.4953, 0.2871, 0.2438



37.4953, 0.4241, 0.4019

Complementary

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



37.4953, 0.2274, 0.3387



10.2043, 0.6366, 0.3281

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.



37.4953, 0.4321, 0.3573



37.4953, 0.2274, 0.3387



37.4953, 0.3484, 0.2710

Square

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



37.4953, 0.2274, 0.3387



37.4953, 0.2381, 0.2345



37.4953, 0.4037, 0.3111



37.4953, 0.3853, 0.4337

Rectangle

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



37.4953, 0.2274, 0.3387



37.4953, 0.2063, 0.2558



37.4953, 0.4037, 0.3111



37.4953, 0.4307, 0.3878

Sweetspot

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



37.4986, 0.2274, 0.3387



76.5808, 0.2707, 0.3316



34.3234, 0.3007, 0.5994



16.2810, 0.2657, 0.3320



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.



37.4986, 0.2274, 0.3387



67.9635, 0.2275, 0.3389



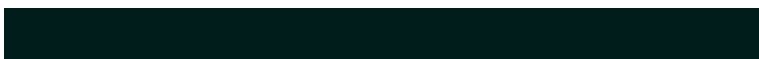
12.2220, 0.1803, 0.1691



10.2055, 0.2990, 0.3297



25.8437, 0.2274, 0.3386



0.9126, 0.2266, 0.3359

Inverse Universe

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



10.2043, 0.6366, 0.3281



18.4899, 0.6376, 0.3286



16.8260, 0.5504, 0.4012



9.0168, 0.3283, 0.3283



7.0342, 0.6358, 0.3276



0.2496, 0.6192, 0.3185

Previews

White Background



This preview shows how the Yxy color 37.4953, 0.2274, 0.3387 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 37.4953, 0.2274, 0.3387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

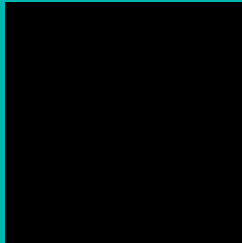
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.4953, 0.2274, 0.3387

Background



This preview shows how black text looks on a background with the Yxy color 37.4953, 0.2274, 0.3387.

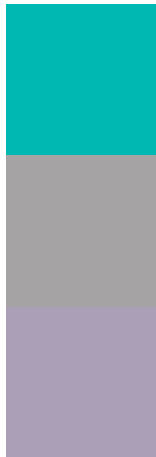


This preview shows how white text looks on a background with the Yxy color 37.4953, 0.2274, 0.3387.

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

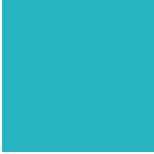
37.4953, 0.2274, 0.3387

Protanopia

37.0180, 0.3138, 0.3262

Deuteranopia

36.7612, 0.3021, 0.2960



Tritanopia

37.4646, 0.2225, 0.3051

Trichromacy



Original Color

37.4953, 0.2274, 0.3387



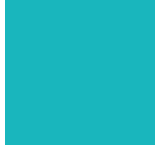
Protanomaly

35.0923, 0.2614, 0.3305



Deuteranomaly

34.5296, 0.2549, 0.3085



Tritanomaly

37.3367, 0.2237, 0.3174

Monochromacy



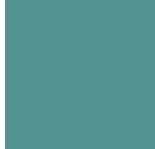
Original Color

37.4953, 0.2274, 0.3387



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

25.0045, 0.2550, 0.3326

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4953, 0.2274, 0.3387 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 178)  
}
```

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, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 178) }
```

Border

The CSS property to change the border of an element to Yxy 37.4953, 0.2274, 0.3387 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, 178) }
```

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

```
.border{ border-color:rgb(0, 184, 178) }
```

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, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 178);  
box-shadow:4px 4px 4px 4px rgb(0, 184,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 37.4953, 0.2274, 0.3387 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, 178) }
```

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

```
.background{ background-color: rgb(0, 184,  
178) }
```

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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