

Converting Colors

$Y_{xy}(34.7883, 0.2052, 0.3950)$

Have a look what the booklet for
Yxy(34.7883, 0.2052, 0.3950)
contains.

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Color

Yxy(37.3522, 0.2417, 0.3900)

Conversions

Conversions Part 1

Format	Color
Hex	00BA97
RGB	0, 186, 151
RGB Percent	0%, 73%, 59%
CMY	0.9986, 0.2706, 0.4078
CMYK	1.00, 0.00, 0.19, 0.27
HSL	169°, 100%, 37%
HSV	169°, 100%, 73%
XYZ	23.1488, 37.3522, 35.2739
YIQ	126.3960, -99.6210, -50.3170

Conversions

Conversions Part 2

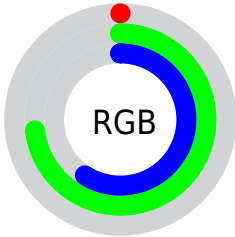
Format	Color
RYB	0, 103, 186
Decimal	47767
CIELab	67.54, -47.84, 6.67
CIELCh	68, 48.303, 172.057
Yxy	37.3522, 0.2417, 0.3900
Android (android.graphics.Color)	4278237847 (0xFF00BA97)
YUV	126.3960, 12.1298, -110.8493
Hunter-Lab	61.1164, -39.3442, 8.5618

Details

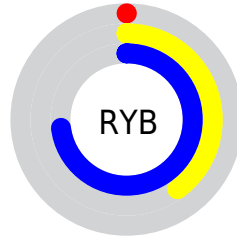
The Yxy color **37.3522, 0.2417, 0.3900** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **10.5696, 0.6101, 0.3136**, and the grayscale version is **21.0266, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.1056, 0.2557, 0.3779**, and **17.4226, 0.2463, 0.4067** is the 20% darker color. If you saturate the color by 10%, you get **37.3493, 0.2417, 0.3901**, and if you desaturate by 10%, it is **37.6049, 0.2416, 0.3833**.

Distribution



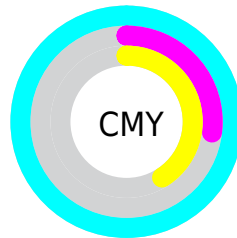
- Red (0%)
- Green (73%)
- Blue (59%)



- Red (0%)
- Yellow (40%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (27%)





- Cyan (100%)
- Magenta (27%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 37.3522, 0.2417, 0.3900 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 37.3522, 0.2417, 0.3900 by changing the saturation by 10% instead.


 37.3522, 0.2417,
0.3900


 37.3522, 0.2417,
0.3900


 334.8328, 0.2787,
0.3575


 25.4803, 0.2320,
0.3988


 71.1141, 0.2555,
0.3777

 16.4353, 0.2193,
0.4105


 93.7730, 0.2606,
0.3732

 9.8327, 0.2021,
0.4269


 120.7962, 0.2648,
0.3695

 5.2882, 0.1774,
0.4511

 152.5683, 0.2684,
0.3664

 2.4173, 0.1379,
0.4916

 189.4736, 0.2715,
0.3637

 0.8348, 0.0000,
0.6537

 231.8966, 0.2742,

 0.0000, 0.0000,

0.3613

0.0000

280.2215, 0.2766,
0.3593

■ 37.3522, 0.2417,
0.3900

■ 37.3522, 0.2417,
0.3900

■ 37.3493, 0.2417,
0.3901

■ 37.6049, 0.2416,
0.3833

■ 37.9895, 0.2430,
0.3765

■ 38.5535, 0.2462,
0.3697

■ 39.3201, 0.2514,
0.3630

■ 40.3091, 0.2584,
0.3565

■ 41.5380, 0.2671,
0.3502

■ 43.0225, 0.2772,
0.3442

■ 44.7767, 0.2883,
0.3387

■ 46.8140, 0.3004,
0.3336

Harmonies

Analogous

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



37.3522, 0.3055, 0.4496



37.3522, 0.2417, 0.3900



37.3522, 0.1999, 0.3132

Triad

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



37.3522, 0.2417, 0.3900



37.3522, 0.2419, 0.2196



37.3522, 0.4569, 0.3790

Complementary

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



37.3522, 0.2417, 0.3900



10.5696, 0.6101, 0.3136

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.



37.3522, 0.4389, 0.3249



37.3522, 0.2417, 0.3900



37.3522, 0.3063, 0.2383

Square

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



37.3522, 0.2417, 0.3900



37.3522, 0.2009, 0.2236



37.3522, 0.3808, 0.2755



37.3522, 0.4313, 0.4294

Rectangle

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



37.3522, 0.2417, 0.3900



37.3522, 0.1878, 0.2707



37.3522, 0.3808, 0.2755



37.3522, 0.4560, 0.3609

Sweetspot

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



37.3536, 0.2417, 0.3900



77.7843, 0.2764, 0.3446



35.5195, 0.3069, 0.5944



16.8686, 0.2721, 0.3471



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.



37.3536, 0.2417, 0.3900



67.6663, 0.2420, 0.3912



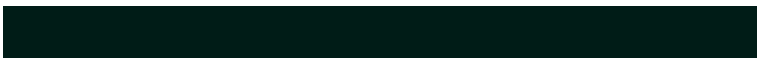
19.5932, 0.1968, 0.2283



10.1808, 0.3010, 0.3333



25.1387, 0.2415, 0.3892



0.8938, 0.2366, 0.3719

Inverse Universe

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



10.5696, 0.6101, 0.3136



19.1160, 0.6139, 0.3155



13.2720, 0.5958, 0.3649



9.0391, 0.3259, 0.3247



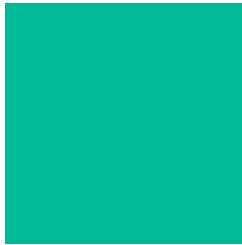
7.1134, 0.6077, 0.3122



0.2592, 0.5398, 0.2747

Previews

White Background



This preview shows how the Yxy color 37.3522, 0.2417, 0.3900 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 37.3522, 0.2417, 0.3900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

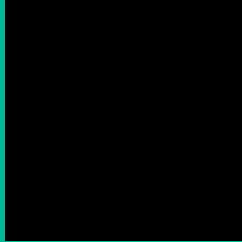
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.3522, 0.2417, 0.3900

Background



This preview shows how black text looks on a background with the Yxy color 37.3522, 0.2417, 0.3900.



This preview shows how white text looks on a background with the Yxy color 37.3522, 0.2417, 0.3900.

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

37.3522, 0.2417, 0.3900

Protanopia

36.8291, 0.3432, 0.3636

Deuteranopia

36.7118, 0.3364, 0.3305



Tritanopia

37.3949, 0.2265, 0.3052

Trichromacy



Original Color

37.3522, 0.2417, 0.3900



Protanomaly

34.4240, 0.2832, 0.3756



Deuteranomaly

34.0167, 0.2778, 0.3501



Tritanomaly

37.0679, 0.2301, 0.3337

Monochromacy



Original Color

37.3522, 0.2417, 0.3900



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

24.7067, 0.2624, 0.3518

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3522, 0.2417, 0.3900 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, 151)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 151)  
}
```

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, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 151) }
```

Border

The CSS property to change the border of an element to Yxy 37.3522, 0.2417, 0.3900 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, 151) }
```

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

```
.border{ border-color:rgb(0, 186, 151) }
```

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, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 151);  
box-shadow:4px 4px 4px 4px rgb(0, 186,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3522, 0.2417, 0.3900 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, 151) }
```

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

```
.background{ background-color: rgb(0, 186,  
151) }
```

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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