

Converting Colors

$Yxy(36.7177, 0.2346, 0.4029)$

Have a look what the booklet for
Yxy(36.7177, 0.2346, 0.4029)
contains.

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Color

Yxy(37.6160, 0.2447, 0.4009)

Conversions

Conversions Part 1

Format	Color
Hex	00BB92
RGB	0, 187, 146
RGB Percent	0%, 73%, 57%
CMY	0.9999, 0.2667, 0.4274
CMYK	1.00, 0.00, 0.22, 0.27
HSL	167°, 100%, 37%
HSV	167°, 100%, 73%
XYZ	22.9599, 37.6160, 33.2530
YIQ	126.4130, -98.2910, -52.3950

Conversions

Conversions Part 2

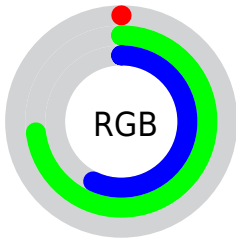
Format	Color
RYB	0, 105, 187
Decimal	48018
CIELab	67.74, -49.54, 9.69
CIELCh	68, 50.476, 168.934
Yxy	37.6160, 0.2447, 0.4009
Android (android.graphics.Color)	4278238098 (0xFF00BB92)
YUV	126.4130, 9.6564, -110.8642
Hunter-Lab	61.3319, -40.5083, 10.7864

Details

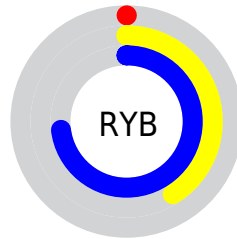
The Yxy color **37.6160, 0.2447, 0.4009** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **10.7256, 0.6024, 0.3092**, and the grayscale version is **21.0071, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.4682, 0.2582, 0.3859**, and **17.6013, 0.2505, 0.4218** is the 20% darker color. If you saturate the color by 10%, you get **37.6172, 0.2447, 0.4009**, and if you desaturate by 10%, it is **37.8829, 0.2443, 0.3929**.

Distribution



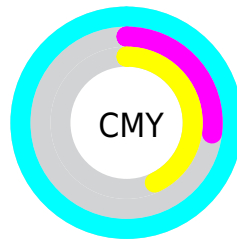
- Red (0%)
- Green (73%)
- Blue (57%)



- Red (0%)
- Yellow (41%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (27%)





- Cyan (100%)
- Magenta (27%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6160, 0.2447, 0.4009 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 37.6160, 0.2447, 0.4009 by changing the saturation by 10% instead.


 37.6160, 0.2447,
0.4009


 37.6160, 0.2447,
0.4009


335.9698, 0.2804,
0.3622

 25.6848, 0.2353,
0.4115


 71.5192, 0.2581,
0.3862


 16.5880, 0.2228,
0.4257


 94.2600, 0.2630,
0.3808


 9.9412, 0.2058,
0.4457


 121.3727, 0.2671,
0.3764

 5.3600, 0.1812,
0.4758

 153.2418, 0.2705,
0.3727

 2.4600, 0.1408,
0.5270

 190.2517, 0.2735,
0.3695

 0.8565, 0.0000,
0.7704

 232.7867, 0.2761,

 0.0000, 0.0000,

0.3668

0.0000

281.2313, 0.2784,
0.3644

■ 37.6160, 0.2447,
0.4009

■ 37.6160, 0.2447,
0.4009

■ 37.6172, 0.2447,
0.4009

■ 37.8829, 0.2443,
0.3929

■ 38.2829, 0.2453,
0.3849

■ 38.8652, 0.2483,
0.3769

■ 39.6535, 0.2533,
0.3690

■ 40.6680, 0.2600,
0.3613

■ 41.9263, 0.2684,
0.3539

■ 43.4444, 0.2781,
0.3469

■ 45.2367, 0.2889,
0.3404

■ 47.3169, 0.3006,
0.3344

Harmonies

Analogous

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



37.6160, 0.3124, 0.4591



37.6160, 0.2447, 0.4009



37.6160, 0.1988, 0.3201

Triad

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



37.6160, 0.2447, 0.4009



37.6160, 0.2334, 0.2150



37.6160, 0.4630, 0.3742

Complementary

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



37.6160, 0.2447, 0.4009



10.7256, 0.6024, 0.3092

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.



37.6160, 0.4396, 0.3186



37.6160, 0.2447, 0.4009



37.6160, 0.2980, 0.2321

Square

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



37.6160, 0.2447, 0.4009



37.6160, 0.1941, 0.2215



37.6160, 0.3757, 0.2687



37.6160, 0.4402, 0.4278

Rectangle

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



37.6160, 0.2447, 0.4009



37.6160, 0.1844, 0.2741



37.6160, 0.3757, 0.2687



37.6160, 0.4606, 0.3555

Sweetspot

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



37.6175, 0.2447, 0.4009



77.6606, 0.2776, 0.3472



36.0691, 0.3089, 0.5929



16.8379, 0.2733, 0.3502



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.



37.6175, 0.2447, 0.4009



67.3341, 0.2451, 0.4022



21.5194, 0.2000, 0.2400



10.7728, 0.3013, 0.3341



25.9292, 0.2444, 0.3999



1.0247, 0.2391, 0.3809

Inverse Universe

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



10.7256, 0.6024, 0.3092



19.1794, 0.6059, 0.3111



12.8363, 0.6041, 0.3585



9.5697, 0.3255, 0.3240



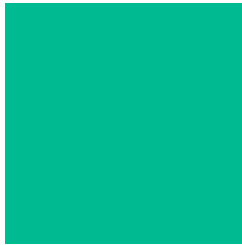
7.3985, 0.5996, 0.3077



0.2998, 0.5318, 0.2704

Previews

White Background



This preview shows how the Yxy color 37.6160, 0.2447, 0.4009 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 37.6160, 0.2447, 0.4009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

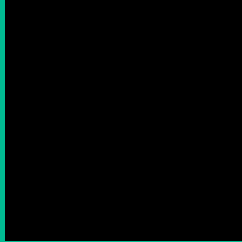
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6160, 0.2447, 0.4009

Background



This preview shows how black text looks on a background with the Yxy color 37.6160, 0.2447, 0.4009.

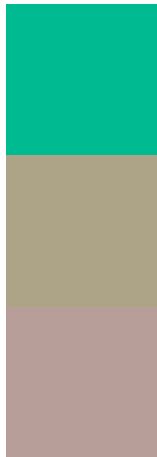


This preview shows how white text looks on a background with the Yxy color 37.6160, 0.2447, 0.4009.

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

37.6160, 0.2447, 0.4009

Protanopia

36.7999, 0.3489, 0.3707

Deuteranopia

36.9111, 0.3442, 0.3373



Tritanopia

37.4822, 0.2273, 0.3052

Trichromacy



Original Color

37.6160, 0.2447, 0.4009



Protanomaly

34.6550, 0.2870, 0.3859



Deuteranomaly

34.3599, 0.2832, 0.3600



Tritanomaly

37.4346, 0.2319, 0.3387

Monochromacy



Original Color

37.6160, 0.2447, 0.4009



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

24.5787, 0.2640, 0.3578

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6160, 0.2447, 0.4009 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, 187, 146)` looks like.

```
.text, #text, p{  
    color:rgb(0, 187, 146)  
}
```

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, 187, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 187, 146) }
```

Border

The CSS property to change the border of an element to Yxy 37.6160, 0.2447, 0.4009 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, 187, 146) }
```

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

```
.border{ border-color:rgb(0, 187, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 187, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 187, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 187, 146);  
box-shadow:4px 4px 4px 4px rgb(0, 187,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6160, 0.2447, 0.4009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 187, 146) }
```

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

```
.background{ background-color: rgb(0, 187,  
146) }
```

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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