

Converting Colors

$Y_{xy}(37.5015, 0.2619, 0.4628)$

Have a look what the booklet for
Yxy(37.5015, 0.2619, 0.4628)
contains.

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Color

Yxy(37.6330, 0.2619, 0.4630)

Conversions

Conversions Part 1

Format	Color
Hex	00BD73
RGB	0, 189, 115
RGB Percent	0%, 74%, 45%
CMY	1.0000, 0.2588, 0.5490
CMYK	1.00, 0.00, 0.39, 0.26
HSL	157°, 100%, 37%
HSV	157°, 100%, 74%
XYZ	21.2874, 37.6330, 22.3603
YIQ	124.0530, -88.8900, -63.0820

Conversions

Conversions Part 2

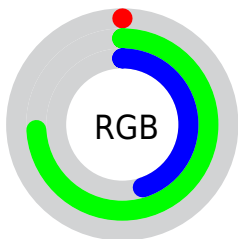
Format	Color
RYB	0, 118, 189
Decimal	48499
CIELab	67.75, -57.34, 26.40
CIELCh	68, 63.129, 155.281
Yxy	37.6330, 0.2619, 0.4630
Android (android.graphics.Color)	4278238579 (0xFF00BD73)
YUV	124.0530, -4.4631, -108.7945
Hunter-Lab	61.3457, -45.4142, 21.3310

Details

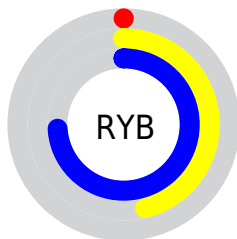
The Yxy color **37.6330, 0.2619, 0.4630** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **11.3148, 0.5416, 0.2757**, and the grayscale version is **20.2139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.2801, 0.2730, 0.4329**, and **17.4435, 0.2719, 0.4988** is the 20% darker color. If you saturate the color by 10%, you get **37.6375, 0.2619, 0.4630**, and if you desaturate by 10%, it is **37.9523, 0.2599, 0.4483**.

Distribution



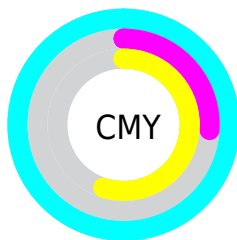
- Red (0%)
- Green (74%)
- Blue (45%)



- Red (0%)
- Yellow (46%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (39%)
- Black (26%)





- Cyan (100%)
- Magenta (26%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6330, 0.2619, 0.4630 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 37.6330, 0.2619, 0.4630 by changing the saturation by 10% instead.


 37.6330, 0.2619,
0.4630


 37.6330, 0.2619,
0.4630


336.0430, 0.2908,
0.3885


 25.6980, 0.2534,
0.4843


 71.5453, 0.2733,
0.4340


 16.5978, 0.2417,
0.5132


 94.2913, 0.2773,
0.4237


 9.9482, 0.2246,
0.5546


 121.4098, 0.2806,
0.4152

 5.3646, 0.1978,
0.6175

 153.2852, 0.2833,
0.4081

 2.4627, 0.1451,
0.7638

 190.3018, 0.2856,
0.4021

 0.8579, 0.0000,
1.0000

 232.8440, 0.2876,

 0.0000, 0.0000,

0.3969

0.0000

281.2963, 0.2893,
0.3924

■ 37.6330, 0.2619,
0.4630

■ 37.6330, 0.2619,
0.4630

■ 37.6375, 0.2619,
0.4630

■ 37.9523, 0.2599,
0.4483

■ 38.4144, 0.2595,
0.4332

■ 39.0729, 0.2610,
0.4180

■ 39.9522, 0.2646,
0.4030

■ 41.0734, 0.2699,
0.3884

■ 42.4548, 0.2767,
0.3746

■ 44.1130, 0.2846,
0.3616

■ 46.0632, 0.2935,
0.3497

■ 48.3193, 0.3029,
0.3388

Harmonies

Analogous

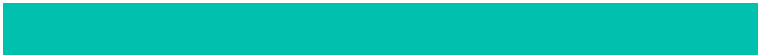
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.6330, 0.3487, 0.5050



37.6330, 0.2619, 0.4630



37.6330, 0.1939, 0.3622

Triad

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



37.6330, 0.2619, 0.4630



37.6330, 0.1911, 0.1917



37.6330, 0.4937, 0.3480

Complementary

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



37.6330, 0.2619, 0.4630



11.3148, 0.5416, 0.2757

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.



37.6330, 0.4394, 0.2856



37.6330, 0.2619, 0.4630



37.6330, 0.2543, 0.2005

Square

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



37.6330, 0.2619, 0.4630



37.6330, 0.1601, 0.2116



37.6330, 0.3455, 0.2336



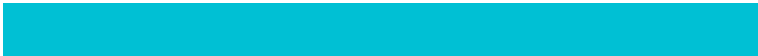
37.6330, 0.4867, 0.4144

Rectangle

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



37.6330, 0.2619, 0.4630



37.6330, 0.1675, 0.2953



37.6330, 0.3455, 0.2336



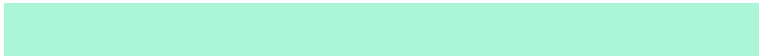
37.6330, 0.4821, 0.3266

Sweetspot

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



37.6375, 0.2619, 0.4630



78.8423, 0.2842, 0.3622



37.9201, 0.3240, 0.5809



16.6743, 0.2808, 0.3676



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.



37.6375, 0.2619, 0.4630



67.3519, 0.2626, 0.4652



32.4651, 0.2159, 0.2972



10.7445, 0.3036, 0.3381



25.3359, 0.2614, 0.4611



1.0049, 0.2516, 0.4257

Inverse Universe

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



11.3148, 0.5416, 0.2757



20.2185, 0.5456, 0.2779



11.2826, 0.6323, 0.3362



9.5966, 0.3229, 0.3200



7.6260, 0.5383, 0.2739



0.3116, 0.4743, 0.2387

Previews

White Background



This preview shows how the Yxy color 37.6330, 0.2619, 0.4630 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 37.6330, 0.2619, 0.4630 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 37.6330, 0.2619, 0.4630

Background



This preview shows how black text looks on a background with the Yxy color 37.6330, 0.2619, 0.4630.



This preview shows how white text looks on a background with the Yxy color 37.6330, 0.2619, 0.4630.

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

37.6330, 0.2619, 0.4630

Protanopia

37.0358, 0.3801, 0.4118

Deuteranopia

36.8565, 0.3834, 0.3762



Tritanopia

37.7665, 0.2312, 0.3069

Trichromacy



Original Color

37.6330, 0.2619, 0.4630



Protanomaly

34.5020, 0.3109, 0.4376



Deuteranomaly

33.9188, 0.3123, 0.4124



Tritanomaly

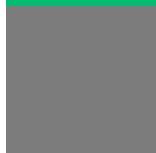
37.0972, 0.2394, 0.3592

Monochromacy



Original Color

37.6330, 0.2619, 0.4630



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

24.2225, 0.2726, 0.3824

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6330, 0.2619, 0.4630 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, 189, 115)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 115)  
}
```

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, 189, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 115) }
```

Border

The CSS property to change the border of an element to Yxy 37.6330, 0.2619, 0.4630 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, 189, 115) }
```

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

```
.border{ border-color:rgb(0, 189, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 189, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 115);  
box-shadow:4px 4px 4px 4px rgb(0, 189,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6330, 0.2619, 0.4630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 189, 115) }
```

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

```
.background{ background-color: rgb(0, 189,  
115) }
```

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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