

Converting Colors

$Yxy(37.7636, 0.2576, 0.3851)$

Have a look what the booklet for
Yxy(37.7636, 0.2576, 0.3851)
contains.

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Color

Yxy(37.8549, 0.2573, 0.3846)

Conversions

Conversions Part 1

Format	Color
Hex	47B897
RGB	71, 184, 151
RGB Percent	28%, 72%, 59%
CMY	0.7215, 0.2784, 0.4079
CMYK	0.61, 0.00, 0.18, 0.28
HSL	162°, 44%, 50%
HSV	162°, 61%, 72%
XYZ	25.3252, 37.8549, 35.2466
YIQ	146.4510, -56.7550, -34.2190

Conversions

Conversions Part 2

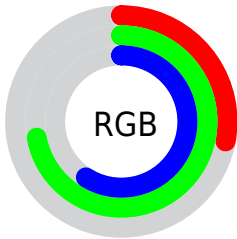
Format	Color
RYB	71, 137, 184
Decimal	4700311
CIELab	67.91, -39.95, 7.35
CIELCh	68, 40.625, 169.571
Yxy	37.8549, 0.2573, 0.3846
Android (android.graphics.Color)	4282890391 (0xFF47B897)
YUV	146.4510, 2.2427, -66.1705
Hunter-Lab	61.5263, -34.1977, 9.1030

Details

The Yxy color **37.8549, 0.2573, 0.3846** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **15.6995, 0.4453, 0.2851**, and the grayscale version is **28.9498, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.0642, 0.2682, 0.3740**, and **16.8854, 0.2452, 0.4026** is the 20% darker color. If you saturate the color by 10%, you get **37.0920, 0.2532, 0.3955**, and if you desaturate by 10%, it is **38.8394, 0.2632, 0.3740**.

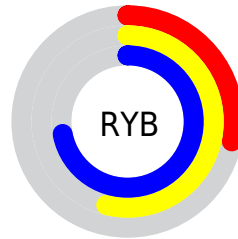
Distribution



Red (28%)

Green (72%)

Blue (59%)



Red (28%)

Yellow (54%)

Blue (72%)

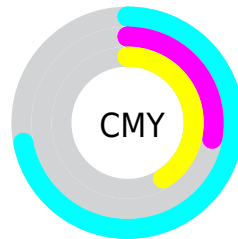


Cyan (61%)

Magenta (0%)

Yellow (18%)

Black (28%)



Cyan (72%)


Magenta (28%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8549, 0.2573, 0.3846 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 37.8549, 0.2573, 0.3846 by changing the saturation by 10% instead.


 37.8549, 0.2573,
0.3846


 37.8549, 0.2573,
0.3846


336.9971, 0.2863,
0.3550

 25.8701, 0.2497,
0.3926


 71.8857, 0.2681,
0.3734

 16.7265, 0.2396,
0.4034


 94.7004, 0.2721,
0.3693


 10.0397, 0.2258,
0.4184


 121.8940, 0.2754,
0.3659

 5.4253, 0.2058,
0.4409

 153.8507, 0.2783,
0.3630

 2.4989, 0.1743,
0.4780

 190.9550, 0.2807,
0.3606

 0.8761, 0.0000,
0.6658

233.5912, 0.2828,

 0.0000, 0.0000,

0.3585

0.0000

282.1438, 0.2846,
0.3566

■ 37.8549, 0.2573,
0.3846

■ 37.8549, 0.2573,
0.3846

■ 37.0920, 0.2532,
0.3955

■ 38.8394, 0.2632,
0.3740

■ 36.5263, 0.2511,
0.4065

■ 40.0583, 0.2707,
0.3639

■ 36.1360, 0.2509,
0.4175

■ 41.5287, 0.2796,
0.3543

■ 35.9002, 0.2519,
0.4269

■ 43.2648, 0.2894,
0.3455

■ 45.2798, 0.3000,
0.3374

■ 47.5858, 0.3111,
0.3300

■ 50.1944, 0.3225,
0.3234

■ 53.1164, 0.3338,
0.3175

■ 56.3622, 0.3451,
0.3122

Harmonies

Analogous

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



37.8549, 0.3130, 0.4305



37.8549, 0.2573, 0.3846



37.8549, 0.2188, 0.3220

Triad

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



37.8549, 0.2573, 0.3846



37.8549, 0.2490, 0.2345



37.8549, 0.4342, 0.3700

Complementary

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



37.8549, 0.2573, 0.3846



15.6995, 0.4453, 0.2851

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.



37.8549, 0.4153, 0.3231



37.8549, 0.2573, 0.3846



37.8549, 0.3028, 0.2491

Square

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



37.8549, 0.2573, 0.3846



37.8549, 0.2150, 0.2406



37.8549, 0.3651, 0.2805



37.8549, 0.4168, 0.4128

Rectangle

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



37.8549, 0.2573, 0.3846



37.8549, 0.2065, 0.2850



37.8549, 0.3651, 0.2805



37.8549, 0.4321, 0.3543

Sweetspot

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



37.8564, 0.2573, 0.3846



79.5052, 0.2927, 0.3429



37.7352, 0.3264, 0.5113



16.9225, 0.2896, 0.3453



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.



37.8564, 0.2573, 0.3846



66.8038, 0.2522, 0.3997



30.4328, 0.2304, 0.2913



10.1647, 0.3023, 0.3358



24.7543, 0.2515, 0.4255



0.8829, 0.2437, 0.3975

Inverse Universe

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



15.6995, 0.4453, 0.2851



23.1714, 0.4948, 0.2823



18.5830, 0.4812, 0.3595



9.0542, 0.3243, 0.3223



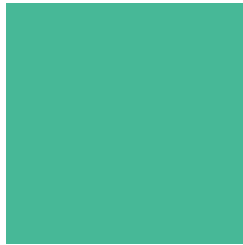
7.2160, 0.5758, 0.2945



0.2655, 0.5003, 0.2530

Previews

White Background



This preview shows how the Yxy color 37.8549, 0.2573, 0.3846 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 37.8549, 0.2573, 0.3846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

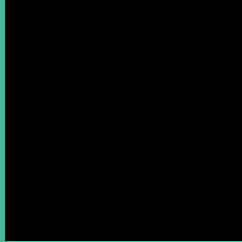
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

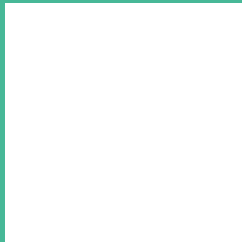
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.8549, 0.2573, 0.3846

Background



This preview shows how black text looks on a background with the Yxy color 37.8549, 0.2573, 0.3846.

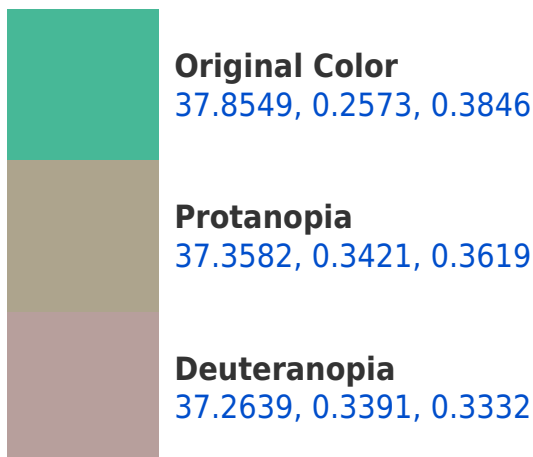


This preview shows how white text looks on a background with the Yxy color 37.8549, 0.2573, 0.3846.

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





Tritanopia

37.7173, 0.2389, 0.3057

Trichromacy



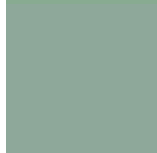
Original Color

37.8549, 0.2573, 0.3846



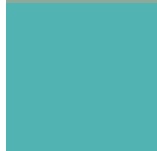
Protanomaly

36.4044, 0.3029, 0.3697



Deuteranomaly

36.0891, 0.3009, 0.3504



Tritanomaly

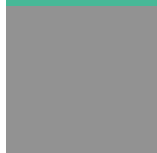
37.6062, 0.2450, 0.3320

Monochromacy



Original Color

37.8549, 0.2573, 0.3846



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

31.2017, 0.2854, 0.3489

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8549, 0.2573, 0.3846 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(71, 184, 151)` looks like.

```
.text, #text, p{  
    color:rgb(71, 184, 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(71, 184, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 184, 151) }
```

Border

The CSS property to change the border of an element to Yxy 37.8549, 0.2573, 0.3846 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(71, 184, 151) }
```

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

```
.border{ border-color:rgb(71, 184, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 184, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 184, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 184, 151);  
box-shadow:4px 4px 4px 4px rgb(71, 184,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8549, 0.2573, 0.3846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 184, 151) }
```

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

```
.background{ background-color: rgb(71, 184,  
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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