

Converting Colors

$Y_{xy}(39.3303, 0.2516, 0.3630)$

Have a look what the booklet for
Yxy(39.3303, 0.2516, 0.3630)
contains.

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Color

Yxy(39.3303, 0.2516, 0.3630)

Conversions

Conversions Part 1

Format	Color
Hex	4BBAA5
RGB	75, 186, 165
RGB Percent	29%, 73%, 65%
CMY	0.7054, 0.2706, 0.3529
CMYK	0.60, 0.00, 0.11, 0.27
HSL	169°, 45%, 51%
HSV	169°, 60%, 73%
XYZ	27.2603, 39.3303, 41.7573
YIQ	150.4170, -59.4150, -30.0630

Conversions

Conversions Part 2

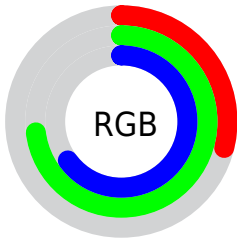
Format	Color
RYB	75, 136, 186
Decimal	4962981
CIELab	68.99, -36.60, 1.23
CIElCh	69, 36.619, 178.080
Yxy	39.3303, 0.2516, 0.3630
Android (android.graphics.Color)	4283153061 (0xFF4BBAA5)
YUV	150.4170, 7.1894, -66.1407
Hunter-Lab	62.7139, -32.1593, 4.4222

Details

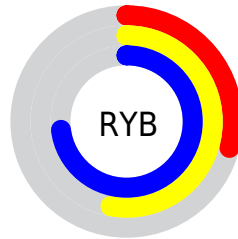
The Yxy color **39.3303, 0.2516, 0.3630** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **16.3345, 0.4596, 0.3016**, and the grayscale version is **30.6888, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.3368, 0.2631, 0.3569**, and **17.6948, 0.2371, 0.3735** is the 20% darker color. If you saturate the color by 10%, you get **38.5604, 0.2464, 0.3697**, and if you desaturate by 10%, it is **40.3261, 0.2587, 0.3564**.

Distribution



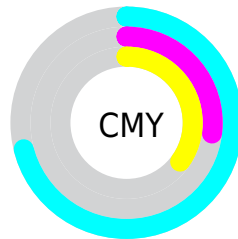
- Red (29%)
- Green (73%)
- Blue (65%)



- Red (29%)
- Yellow (53%)
- Blue (73%)



- Cyan (60%)
- Magenta (0%)
- Yellow (11%)
- Black (27%)





- Cyan (71%)
- Magenta (27%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.3303, 0.2516, 0.3630 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 39.3303, 0.2516, 0.3630 by changing the saturation by 10% instead.


 39.3303, 0.2516,
0.3630


 39.3303, 0.2516,
0.3630


343.2927, 0.2829,
0.3455


 27.0168, 0.2436,
0.3675


 74.1426, 0.2631,
0.3565

 17.5858, 0.2332,
0.3734


 97.4102, 0.2674,
0.3541


 10.6530, 0.2192,
0.3814


 125.0980, 0.2710,
0.3521

 5.8340, 0.1994,
0.3929

 157.5903, 0.2741,
0.3504

 2.7444, 0.1694,
0.4104

 195.2715, 0.2767,
0.3489

 0.9998, 0.0256,
0.4876

238.5261, 0.2790,

 0.0000, 0.0000,

0.3476

0.0000

287.7383, 0.2811,
0.3465

■ 39.3303, 0.2516,
0.3630

■ 39.3303, 0.2516,
0.3630

■ 38.5604, 0.2464,
0.3697

■ 40.3261, 0.2587,
0.3564

■ 37.9921, 0.2431,
0.3766

■ 41.5606, 0.2673,
0.3501

■ 37.6037, 0.2417,
0.3834

■ 43.0509, 0.2774,
0.3442

■ 37.3506, 0.2418,
0.3901

■ 44.8113, 0.2886,
0.3386

■ 37.3413, 0.2418,
0.3904

■ 46.8551, 0.3006,
0.3335

■ 49.1946, 0.3132,
0.3288

■ 51.8414, 0.3261,
0.3246

■ 54.8065, 0.3391,
0.3209

■ 58.1005, 0.3520,
0.3176

Harmonies

Analogous

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



39.3303, 0.2985, 0.4098



39.3303, 0.2516, 0.3630



39.3303, 0.2223, 0.3086

Triad

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



39.3303, 0.2516, 0.3630



39.3303, 0.2680, 0.2457



39.3303, 0.4199, 0.3785

Complementary

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



39.3303, 0.2516, 0.3630



16.3345, 0.4596, 0.3016

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.



39.3303, 0.4120, 0.3364



39.3303, 0.2516, 0.3630



39.3303, 0.3199, 0.2636

Square

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



39.3303, 0.2516, 0.3630



39.3303, 0.2314, 0.2459



39.3303, 0.3741, 0.2958



39.3303, 0.3967, 0.4133

Rectangle

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



39.3303, 0.2516, 0.3630



39.3303, 0.2153, 0.2787



39.3303, 0.3741, 0.2958



39.3303, 0.4209, 0.3648

Sweetspot

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



39.3318, 0.2516, 0.3630



81.6872, 0.2901, 0.3379



38.1815, 0.3182, 0.5106



17.7673, 0.2867, 0.3395



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.



39.3318, 0.2516, 0.3630



69.4916, 0.2450, 0.3722



27.7410, 0.2279, 0.2735



10.1807, 0.3010, 0.3334



25.1355, 0.2415, 0.3895



0.8937, 0.2367, 0.3721

Inverse Universe

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



16.3345, 0.4596, 0.3016



23.9716, 0.5150, 0.3004



21.7552, 0.4631, 0.3742



9.0392, 0.3259, 0.3247



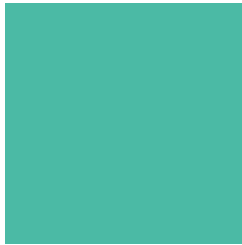
7.1140, 0.6075, 0.3120



0.2592, 0.5395, 0.2745

Previews

White Background



This preview shows how the Yxy color 39.3303, 0.2516, 0.3630 looks on a white background.

Color Contrast Check

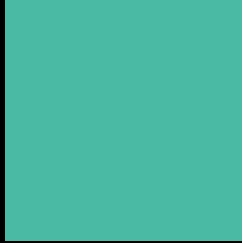
Large Text (above 18pt) WCAG AA × Fail

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 39.3303, 0.2516, 0.3630 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

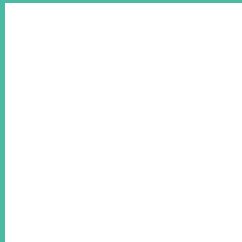
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.3303, 0.2516, 0.3630

Background



This preview shows how black text looks on a background with the Yxy color 39.3303, 0.2516, 0.3630.

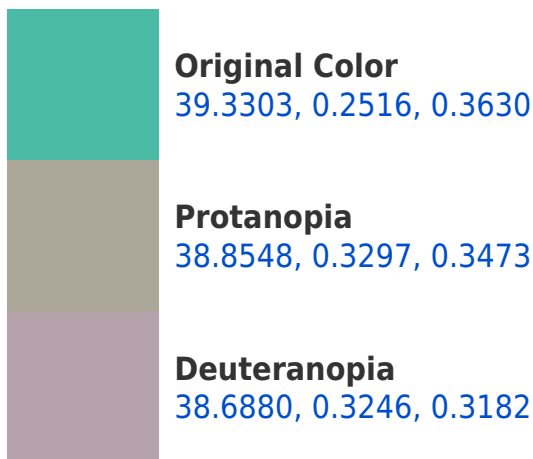


This preview shows how white text looks on a background with the Yxy color 39.3303, 0.2516, 0.3630.

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

39.0595, 0.2383, 0.3060

Trichromacy



Original Color

39.3303, 0.2516, 0.3630



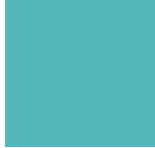
Protanomaly

38.0591, 0.2936, 0.3533



Deuteranomaly

37.7926, 0.2908, 0.3334



Tritanomaly

39.2088, 0.2430, 0.3257

Monochromacy



Original Color

39.3303, 0.2516, 0.3630



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

32.7719, 0.2836, 0.3419

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.3303, 0.2516, 0.3630 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(75, 186, 165)` looks like.

```
.text, #text, p{  
    color:rgb(75, 186, 165)  
}
```

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(75, 186, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 186, 165) }
```

Border

The CSS property to change the border of an element to Yxy 39.3303, 0.2516, 0.3630 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(75, 186, 165) }
```

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

```
.border{ border-color:rgb(75, 186, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 186, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 186, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 186, 165);  
box-shadow:4px 4px 4px 4px rgb(75, 186,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 39.3303, 0.2516, 0.3630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 186, 165) }
```

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

```
.background{ background-color: rgb(75, 186,  
165) }
```

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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