

Converting Colors

$Y_{xy}(37.7224, 0.2161, 0.3744)$

Have a look what the booklet for
Yxy(37.7224, 0.2161, 0.3744)
contains.

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Color

Yxy(39.5072, 0.2368, 0.3725)

Conversions

Conversions Part 1

Format	Color
Hex	00BEA4
RGB	0, 190, 164
RGB Percent	0%, 75%, 64%
CMY	1.0000, 0.2549, 0.3567
CMYK	1.00, 0.00, 0.14, 0.25
HSL	172°, 100%, 37%
HSV	172°, 100%, 75%
XYZ	25.1149, 39.5072, 41.4375
YIQ	130.2260, -104.8940, -48.3660

Conversions

Conversions Part 2

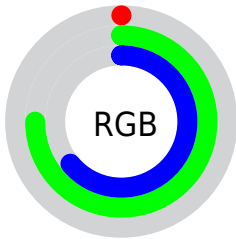
Format	Color
RYB	0, 102, 190
Decimal	48804
CIELab	69.12, -46.03, 1.82
CIELCh	69, 46.071, 177.738
Yxy	39.5072, 0.2368, 0.3725
Android (android.graphics.Color)	4278238884 (0xFF00BEA4)
YUV	130.2260, 16.6506, -114.2082
Hunter-Lab	62.8548, -38.6725, 4.9109

Details

The Yxy color **39.5072, 0.2368, 0.3725** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **11.0220, 0.6224, 0.3202**, and the grayscale version is **22.3767, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.3453, 0.2511, 0.3639**, and **18.7782, 0.2401, 0.3845** is the 20% darker color. If you saturate the color by 10%, you get **39.5095, 0.2368, 0.3725**, and if you desaturate by 10%, it is **39.7428, 0.2371, 0.3678**.

Distribution



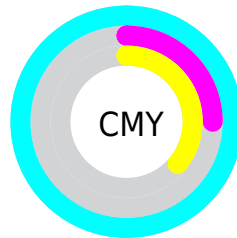
- Red (0%)
- Green (75%)
- Blue (64%)



- Red (0%)
- Yellow (40%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (25%)



- Cyan (100%)
- Magenta (25%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.5072, 0.2368, 0.3725 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 39.5072, 0.2368, 0.3725 by changing the saturation by 10% instead.


 39.5072, 0.2368,
0.3725


 39.5072, 0.2368,
0.3725

344.0421, 0.2755,
0.3501

 27.1545, 0.2270,
0.3783


 74.4125, 0.2510,
0.3642

 17.6893, 0.2142,
0.3858


 97.7339, 0.2563,
0.3612


 10.7272, 0.1972,
0.3959


 125.4804, 0.2608,
0.3586

 5.8837, 0.1734,
0.4104

 158.0363, 0.2646,
0.3564

 2.7745, 0.1384,
0.4322

 195.7860, 0.2679,
0.3545

 1.0152, 0.0000,
0.5109

239.1140, 0.2708,

 0.0000, 0.0000,

0.3528

0.0000

288.4045, 0.2733,
0.3514

■ 39.5072, 0.2368,
0.3725

■ 39.5072, 0.2368,
0.3725

■ 39.5095, 0.2368,
0.3725

■ 39.7428, 0.2371,
0.3678

■ 40.1132, 0.2389,
0.3630

■ 40.6697, 0.2425,
0.3582

■ 41.4370, 0.2480,
0.3534

■ 42.4360, 0.2554,
0.3488

■ 43.6852, 0.2645,
0.3443

■ 45.2009, 0.2750,
0.3401

■ 46.9984, 0.2867,
0.3361

■ 49.0915, 0.2994,
0.3324

Harmonies

Analogous

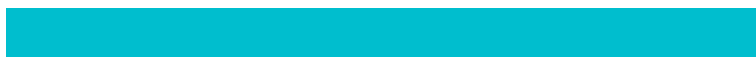
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.5072, 0.2942, 0.4335



39.5072, 0.2368, 0.3725



39.5072, 0.2019, 0.3024

Triad

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



39.5072, 0.2368, 0.3725



39.5072, 0.2562, 0.2273



39.5072, 0.4465, 0.3867

Complementary

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



39.5072, 0.2368, 0.3725



11.0220, 0.6224, 0.3202

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.



39.5072, 0.4373, 0.3354



39.5072, 0.2368, 0.3725



39.5072, 0.3201, 0.2488

Square

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



39.5072, 0.2368, 0.3725



39.5072, 0.2126, 0.2270



39.5072, 0.3888, 0.2870



39.5072, 0.4164, 0.4317

Rectangle

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



39.5072, 0.2368, 0.3725



39.5072, 0.1936, 0.2655



39.5072, 0.3888, 0.2870



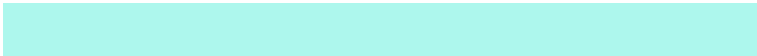
39.5072, 0.4482, 0.3697

Sweetspot

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



39.5095, 0.2368, 0.3725



81.7631, 0.2745, 0.3403



37.0821, 0.3042, 0.5967



17.6858, 0.2698, 0.3421



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.5095, 0.2368, 0.3725



71.5673, 0.2370, 0.3732



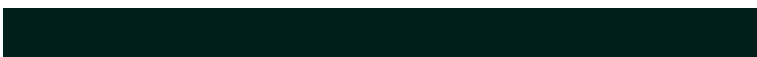
18.0086, 0.1917, 0.2100



10.7865, 0.3003, 0.3321



26.2793, 0.2366, 0.3719



1.0357, 0.2335, 0.3605

Inverse Universe

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



11.0220, 0.6224, 0.3202



19.9523, 0.6250, 0.3217



14.9027, 0.5837, 0.3747



9.5570, 0.3267, 0.3259



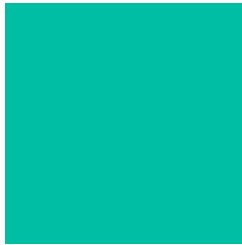
7.3357, 0.6200, 0.3189



0.2943, 0.5665, 0.2894

Previews

White Background



This preview shows how the Yxy color 39.5072, 0.2368, 0.3725 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 39.5072, 0.2368, 0.3725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

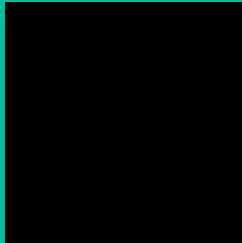
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

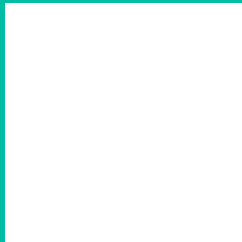
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.5072, 0.2368, 0.3725

Background



This preview shows how black text looks on a background with the Yxy color 39.5072, 0.2368, 0.3725.

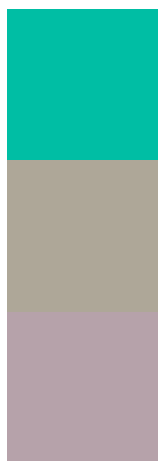


This preview shows how white text looks on a background with the Yxy color 39.5072, 0.2368, 0.3725.

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

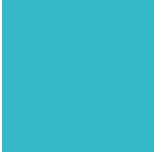
39.5072, 0.2368, 0.3725

Protanopia

38.9031, 0.3325, 0.3501

Deuteranopia

38.6880, 0.3246, 0.3182



Tritanopia

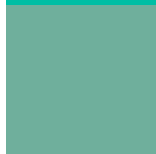
39.5981, 0.2253, 0.3057

Trichromacy



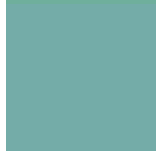
Original Color

39.5072, 0.2368, 0.3725



Protanomaly

36.4398, 0.2752, 0.3596



Deuteranomaly

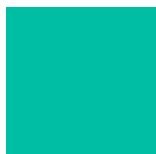
36.0452, 0.2699, 0.3352



Tritanomaly

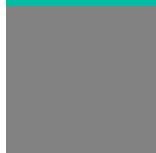
39.4518, 0.2280, 0.3288

Monochromacy



Original Color

39.5072, 0.2368, 0.3725



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

26.2485, 0.2605, 0.3474

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.5072, 0.2368, 0.3725 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, 190, 164)` looks like.

```
.text, #text, p{  
    color:rgb(0, 190, 164)  
}
```

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, 190, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 190, 164) }
```

Border

The CSS property to change the border of an element to Yxy 39.5072, 0.2368, 0.3725 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, 190, 164) }
```

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

```
.border{ border-color:rgb(0, 190, 164) }
```

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

Here you see how a box with a 4 pixel rgb(0, 190, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 190, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 190, 164);  
box-shadow:4px 4px 4px 4px rgb(0, 190,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 39.5072, 0.2368, 0.3725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 190, 164) }
```

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

```
.background{ background-color: rgb(0, 190,  
164) }
```

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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