

Converting Colors

$Y_{xy}(39.6619, 0.2171, 0.3016)$

Have a look what the booklet for
Yxy(39.6619, 0.2171, 0.3016)
contains.

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Color

Yxy(39.4774, 0.2169, 0.3009)

Conversions

Conversions Part 1

Format	Color
Hex	00BACC
RGB	0, 186, 204
RGB Percent	0%, 73%, 80%
CMY	1.0000, 0.2706, 0.1999
CMYK	1.00, 0.09, 0.00, 0.20
HSL	185°, 100%, 40%
HSV	185°, 100%, 80%
XYZ	28.4568, 39.4774, 63.2636
YIQ	132.4380, -116.6340, -33.8340

Conversions

Conversions Part 2

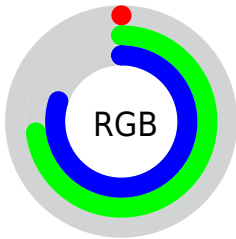
Format	Color
RYB	0, 97, 204
Decimal	47820
CIELab	69.10, -32.30, -20.17
CIELCh	69, 38.081, 211.986
Yxy	39.4774, 0.2169, 0.3009
Android (android.graphics.Color)	4278237900 (0xFF00BACC)
YUV	132.4380, 35.2801, -116.1481
Hunter-Lab	62.8310, -29.1099, -15.7164

Details

The Yxy color **39.4774, 0.2169, 0.3009** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **13.2746, 0.6339, 0.3349**, and the grayscale version is **23.1447, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.2642, 0.2364, 0.3146**, and **18.7045, 0.2143, 0.2913** is the 20% darker color. If you saturate the color by 10%, you get **39.4811, 0.2169, 0.3009**, and if you desaturate by 10%, it is **40.3983, 0.2192, 0.3039**.

Distribution



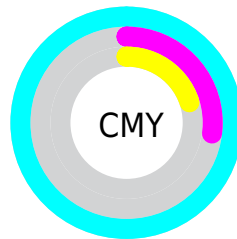
- Red (0%)
- Green (73%)
- Blue (80%)



- Red (0%)
- Yellow (38%)
- Blue (80%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (27%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.4774, 0.2169, 0.3009 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 39.4774, 0.2169, 0.3009 by changing the saturation by 10% instead.


 39.4774, 0.2169,
0.3009


 39.4774, 0.2169,
0.3009


343.9159, 0.2642,
0.3169


 27.1313, 0.2055,
0.2963


 74.3671, 0.2338,
0.3071

 17.6719, 0.1911,
0.2902


 97.6794, 0.2403,
0.3094


 10.7147, 0.1725,
0.2814


 125.4160, 0.2457,
0.3112

 5.8753, 0.1479,
0.2684

 157.9612, 0.2505,
0.3127

 2.7694, 0.1144,
0.2473

 195.6994, 0.2546,
0.3140

 1.0126, 0.0362,
0.2175

239.0150, 0.2581,

 0.0000, 0.0000,

0.3151

0.0000

288.2924, 0.2613,
0.3161

■ 39.4774, 0.2169,
0.3009

■ 39.4774, 0.2169,
0.3009

■ 39.4811, 0.2169,
0.3009

■ 40.3983, 0.2192,
0.3039

■ 41.4866, 0.2229,
0.3069

■ 42.8014, 0.2285,
0.3099

■ 44.3722, 0.2360,
0.3130

■ 46.2243, 0.2454,
0.3160

■ 48.3793, 0.2565,
0.3189

■ 50.8572, 0.2690,
0.3217

■ 53.6759, 0.2828,
0.3243

■ 56.8521, 0.2974,
0.3267

Harmonies

Analogous

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



39.4774, 0.2441, 0.3568



39.4774, 0.2169, 0.3009



39.4774, 0.2130, 0.2604

Triad

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



39.4774, 0.2169, 0.3009



39.4774, 0.3276, 0.2650



39.4774, 0.3946, 0.4197

Complementary

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



39.4774, 0.2169, 0.3009



13.2746, 0.6339, 0.3349

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.



39.4774, 0.4225, 0.3853



39.4774, 0.2169, 0.3009



39.4774, 0.3829, 0.2996

Square

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



39.4774, 0.2169, 0.3009



39.4774, 0.2726, 0.2443



39.4774, 0.4189, 0.3421



39.4774, 0.3460, 0.4313

Rectangle

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



39.4774, 0.2169, 0.3009



39.4774, 0.2234, 0.2456



39.4774, 0.4189, 0.3421



39.4774, 0.4069, 0.4100

Sweetspot

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



39.4811, 0.2169, 0.3009



84.0283, 0.2685, 0.3215



43.2394, 0.2986, 0.5950



17.5981, 0.2630, 0.3204



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



39.4811, 0.2169, 0.3009



65.2012, 0.2168, 0.3005



10.8598, 0.1695, 0.1300



12.5509, 0.2983, 0.3269



24.9123, 0.2170, 0.3013



1.3361, 0.2187, 0.3071

Inverse Universe

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



16.3867, 0.3446, 0.1672



27.1132, 0.3450, 0.1674



26.0388, 0.5173, 0.4275



11.3860, 0.3151, 0.3081



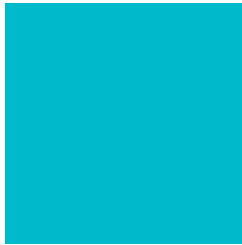
10.3179, 0.3443, 0.1670



0.5374, 0.3392, 0.1642

Previews

White Background



This preview shows how the Yxy color 39.4774, 0.2169, 0.3009 looks on a white background.

Color Contrast Check

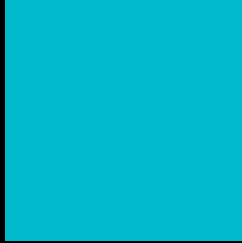
Large Text (above 18pt) WCAG AA × Fail

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 39.4774, 0.2169, 0.3009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

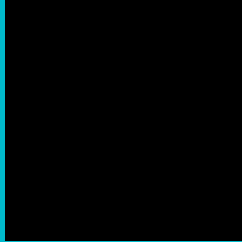
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.4774, 0.2169, 0.3009

Background



This preview shows how black text looks on a background with the Yxy color 39.4774, 0.2169, 0.3009.



This preview shows how white text looks on a background with the Yxy color 39.4774, 0.2169, 0.3009.

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

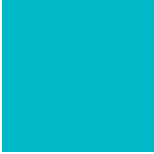
39.4774, 0.2169, 0.3009

Protanopia

38.8206, 0.2895, 0.2947

Deuteranopia

38.9409, 0.2759, 0.2694



Tritanopia

39.3349, 0.2182, 0.3054

Trichromacy



Original Color

39.4774, 0.2169, 0.3009



Protanomaly

36.8157, 0.2446, 0.2942



Deuteranomaly

36.9531, 0.2382, 0.2775



Tritanomaly

39.3821, 0.2178, 0.3039

Monochromacy



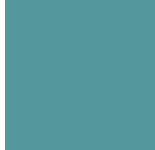
Original Color

39.4774, 0.2169, 0.3009



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

26.8099, 0.2498, 0.3181

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.4774, 0.2169, 0.3009 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, 186, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 204)  
}
```

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, 186, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 204) }
```

Border

The CSS property to change the border of an element to Yxy 39.4774, 0.2169, 0.3009 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, 186, 204) }
```

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

```
.border{ border-color:rgb(0, 186, 204) }
```

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

Here you see how a box with a 4 pixel rgb(0, 186, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 186,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 39.4774, 0.2169, 0.3009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 186, 204) }
```

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

```
.background{ background-color: rgb(0, 186,  
204) }
```

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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