

Converting Colors

$Yxy(33.0030, 0.1434, 0.2984)$

Have a look what the booklet for
Yxy(33.0030, 0.1434, 0.2984)
contains.

Yxy(39.4296, 0.2173, 0.3024)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(39.4296, 0.2173, 0.3024)

Conversions

Conversions Part 1

Format	Color
Hex	00BACB
RGB	0, 186, 203
RGB Percent	0%, 73%, 80%
CMY	1.0000, 0.2705, 0.2039
CMYK	1.00, 0.08, 0.00, 0.20
HSL	185°, 100%, 40%
HSV	185°, 100%, 80%
XYZ	28.3335, 39.4296, 62.6258
YIQ	132.3240, -116.3130, -34.1450

Conversions

Conversions Part 2

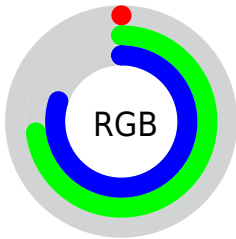
Format	Color
RYB	0, 97, 203
Decimal	47819
CIELab	69.06, -32.64, -19.67
CIELCh	69, 38.104, 211.077
Yxy	39.4296, 0.2173, 0.3024
Android (android.graphics.Color)	4278237899 (0xFF00BACB)
YUV	132.3240, 34.8433, -116.0481
Hunter-Lab	62.7930, -29.3448, -15.1770

Details

The Yxy color **39.4296, 0.2173, 0.3024** 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 **13.0996, 0.6343, 0.3346**, and the grayscale version is **23.1037, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.2642, 0.2364, 0.3146**, and **18.6725, 0.2148, 0.2933** is the 20% darker color. If you saturate the color by 10%, you get **39.4350, 0.2173, 0.3024**, and if you desaturate by 10%, it is **40.3077, 0.2196, 0.3052**.

Distribution



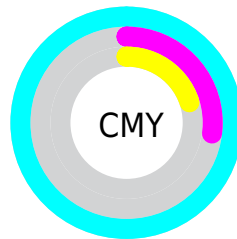
- Red (0%)
- Green (73%)
- Blue (80%)



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



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (20%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.4296, 0.2173, 0.3024 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 39.4296, 0.2173, 0.3024 by changing the saturation by 10% instead.


 39.4296, 0.2173,
0.3024


 39.4296, 0.2173,
0.3024


343.7135, 0.2644,
0.3176

 27.0941, 0.2059,
0.2980


 74.2941, 0.2342,
0.3084

 17.6439, 0.1915,
0.2921


 97.5920, 0.2406,
0.3105

 10.6946, 0.1730,
0.2837


 125.3127, 0.2461,
0.3122

 5.8619, 0.1483,
0.2710

 157.8407, 0.2507,
0.3137

 2.7613, 0.1147,
0.2504

 195.5604, 0.2548,
0.3149

 1.0084, 0.0345,
0.2217

238.8562, 0.2584,

 0.0000, 0.0000,

0.3159

0.0000

288.1124, 0.2616,
0.3168

■ 39.4296, 0.2173,
0.3024

■ 39.4296, 0.2173,
0.3024

■ 39.4350, 0.2173,
0.3024

■ 40.3077, 0.2196,
0.3052

■ 41.3485, 0.2233,
0.3081

■ 42.6122, 0.2288,
0.3109

■ 44.1281, 0.2362,
0.3138

■ 45.9209, 0.2455,
0.3166

■ 48.0123, 0.2566,
0.3194

■ 50.4218, 0.2691,
0.3220

■ 53.1671, 0.2828,
0.3245

■ 56.2647, 0.2974,
0.3269

Harmonies

Analogous

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



39.4296, 0.2452, 0.3586



39.4296, 0.2173, 0.3024



39.4296, 0.2127, 0.2613

Triad

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



39.4296, 0.2173, 0.3024



39.4296, 0.3259, 0.2640



39.4296, 0.3959, 0.4190

Complementary

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



39.4296, 0.2173, 0.3024



13.0996, 0.6343, 0.3346

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.



39.4296, 0.4230, 0.3841



39.4296, 0.2173, 0.3024



39.4296, 0.3815, 0.2984

Square

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



39.4296, 0.2173, 0.3024



39.4296, 0.2711, 0.2438



39.4296, 0.4183, 0.3408



39.4296, 0.3476, 0.4315

Rectangle

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



39.4296, 0.2173, 0.3024



39.4296, 0.2226, 0.2459



39.4296, 0.4183, 0.3408



39.4296, 0.4079, 0.4091

Sweetspot

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



39.4350, 0.2173, 0.3024



84.2441, 0.2685, 0.3219



42.7591, 0.2986, 0.5950



17.6505, 0.2631, 0.3208



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.



39.4350, 0.2173, 0.3024



65.8622, 0.2172, 0.3020



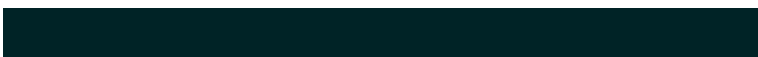
10.7451, 0.1695, 0.1301



12.5600, 0.2984, 0.3270



25.1575, 0.2175, 0.3028



1.3464, 0.2190, 0.3083

Inverse Universe

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



16.2442, 0.3433, 0.1665



27.1800, 0.3436, 0.1667



25.7559, 0.5172, 0.4275



11.3869, 0.3150, 0.3080



10.3427, 0.3430, 0.1663



0.5385, 0.3382, 0.1637

Previews

White Background



This preview shows how the Yxy color 39.4296, 0.2173, 0.3024 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 39.4296, 0.2173, 0.3024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

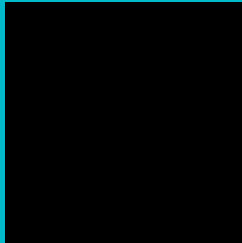
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.4296, 0.2173, 0.3024

Background



This preview shows how black text looks on a background with the Yxy color 39.4296, 0.2173, 0.3024.

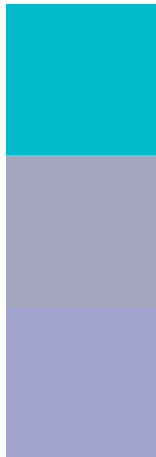


This preview shows how white text looks on a background with the Yxy color 39.4296, 0.2173, 0.3024.

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

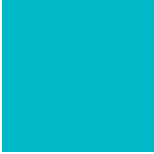
39.4296, 0.2173, 0.3024

Protanopia

38.8827, 0.2912, 0.2961

Deuteranopia

38.8915, 0.2766, 0.2706



Tritanopia

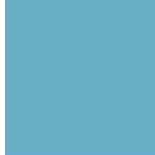
39.3349, 0.2182, 0.3054

Trichromacy



Original Color

39.4296, 0.2173, 0.3024



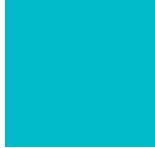
Protanomaly

36.7703, 0.2452, 0.2956



Deuteranomaly

36.9043, 0.2388, 0.2788



Tritanomaly

39.3821, 0.2178, 0.3039

Monochromacy



Original Color

39.4296, 0.2173, 0.3024



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 39.4296, 0.2173, 0.3024 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, 203)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 203)  
}
```

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, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 203) }
```

Border

The CSS property to change the border of an element to Yxy 39.4296, 0.2173, 0.3024 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, 203) }
```

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

```
.border{ border-color:rgb(0, 186, 203) }
```

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, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 203);  
box-shadow:4px 4px 4px 4px rgb(0, 186,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 39.4296, 0.2173, 0.3024 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, 203) }
```

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

```
.background{ background-color: rgb(0, 186,  
203) }
```

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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