

Converting Colors

$Yxy(36.5946, 0.1849, 0.3136)$

Have a look what the booklet for
Yxy(36.5946, 0.1849, 0.3136)
contains.

Yxy(39.9977, 0.2207, 0.3146)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.9977, 0.2207, 0.3146)

Conversions

Conversions Part 1

Format	Color
Hex	00BCC5
RGB	0, 188, 197
RGB Percent	0%, 74%, 77%
CMY	1.0000, 0.2627, 0.2273
CMYK	1.00, 0.05, 0.00, 0.23
HSL	183°, 100%, 39%
HSV	183°, 100%, 77%
XYZ	28.0594, 39.9977, 59.0812
YIQ	132.8140, -114.9370, -37.0570

Conversions

Conversions Part 2

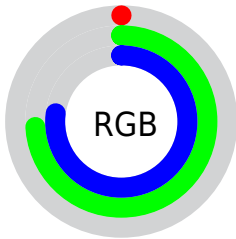
Format	Color
RYB	0, 96, 197
Decimal	48325
CIELab	69.47, -35.47, -15.77
CIELCh	69, 38.816, 203.969
Yxy	39.9977, 0.2207, 0.3146
Android (android.graphics.Color)	4278238405 (0xFF00BCC5)
YUV	132.8140, 31.6437, -116.4779
Hunter-Lab	63.2437, -31.4812, -11.1170

Details

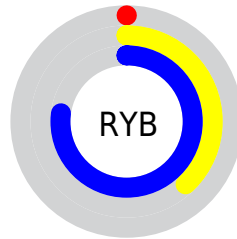
The Yxy color **39.9977, 0.2207, 0.3146** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **12.0700, 0.6370, 0.3324**, and the grayscale version is **23.3011, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3441, 0.2370, 0.3181**, and **19.0334, 0.2194, 0.3097** is the 20% darker color. If you saturate the color by 10%, you get **40.0019, 0.2207, 0.3146**, and if you desaturate by 10%, it is **40.5342, 0.2226, 0.3161**.

Distribution



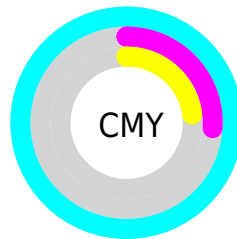
- Red (0%)
- Green (74%)
- Blue (77%)



- Red (0%)
- Yellow (38%)
- Blue (77%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (23%)




- Cyan (100%)
- Magenta (26%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9977, 0.2207, 0.3146 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 39.9977, 0.2207, 0.3146 by changing the saturation by 10% instead.

 39.9977, 0.2207,
0.3146


 39.9977, 0.2207,
0.3146


346.1139, 0.2662,
0.3235

 27.5368, 0.2096,
0.3118


 75.1600, 0.2371,
0.3182

 17.9767, 0.1956,
0.3080


 98.6302, 0.2433,
0.3195

 10.9333, 0.1775,
0.3023


 126.5388, 0.2485,
0.3205

 6.0220, 0.1532,
0.2933

 159.2704, 0.2531,
0.3213

 2.8585, 0.1197,
0.2780

 197.2093, 0.2570,
0.3220

 1.0583, 0.0319,
0.2593

240.7400, 0.2605,

 0.0000, 0.0000,

0.3226

0.0000

290.2467, 0.2635,
0.3231

■ 39.9977, 0.2207,
0.3146

■ 39.9977, 0.2207,
0.3146

■ 40.0019, 0.2207,
0.3146

■ 40.5342, 0.2226,
0.3161

■ 41.2170, 0.2258,
0.3176

■ 42.1024, 0.2309,
0.3191

■ 43.2174, 0.2379,
0.3207

■ 44.5849, 0.2467,
0.3222

■ 46.2251, 0.2573,
0.3237

■ 48.1561, 0.2695,
0.3252

■ 50.3942, 0.2830,
0.3265

■ 52.9548, 0.2975,
0.3278

Harmonies

Analogous

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



39.9977, 0.2542, 0.3727



39.9977, 0.2207, 0.3146



39.9977, 0.2104, 0.2682

Triad

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



39.9977, 0.2207, 0.3146



39.9977, 0.3121, 0.2569



39.9977, 0.4059, 0.4132

Complementary

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



39.9977, 0.2207, 0.3146



12.0700, 0.6370, 0.3324

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.



39.9977, 0.4265, 0.3747



39.9977, 0.2207, 0.3146



39.9977, 0.3701, 0.2887

Square

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



39.9977, 0.2207, 0.3146



39.9977, 0.2593, 0.2405



39.9977, 0.4136, 0.3303



39.9977, 0.3608, 0.4329

Rectangle

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



39.9977, 0.2207, 0.3146



39.9977, 0.2168, 0.2492



39.9977, 0.4136, 0.3303



39.9977, 0.4161, 0.4017

Sweetspot

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



40.0019, 0.2207, 0.3146



86.0496, 0.2689, 0.3251



39.9599, 0.2995, 0.5981



18.0896, 0.2635, 0.3245



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.



40.0019, 0.2207, 0.3146



71.5153, 0.2207, 0.3144



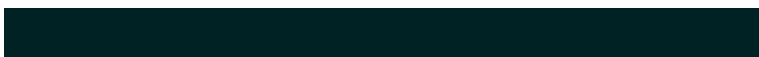
11.6776, 0.1739, 0.1461



11.9811, 0.2984, 0.3279



26.3370, 0.2208, 0.3148



1.2733, 0.2217, 0.3179

Inverse Universe

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



15.5053, 0.3328, 0.1607



27.7507, 0.3330, 0.1608



21.9940, 0.5315, 0.4161



10.8079, 0.3145, 0.3073



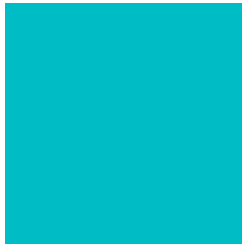
10.1987, 0.3326, 0.1606



0.4856, 0.3300, 0.1591

Previews

White Background



This preview shows how the Yxy color 39.9977, 0.2207, 0.3146 looks on a white background.

Color Contrast Check

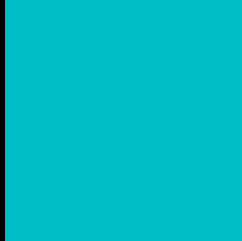
Large Text (above 18pt) WCAG AA × Fail

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 39.9977, 0.2207, 0.3146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

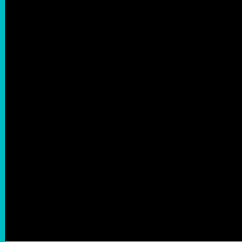
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

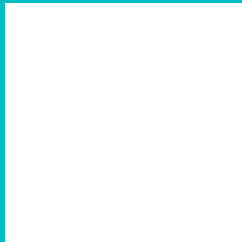
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.9977, 0.2207, 0.3146

Background



This preview shows how black text looks on a background with the Yxy color 39.9977, 0.2207, 0.3146.



This preview shows how white text looks on a background with the Yxy color 39.9977, 0.2207, 0.3146.

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

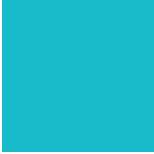
39.9977, 0.2207, 0.3146

Protanopia

39.3136, 0.2986, 0.3056

Deuteranopia

39.4994, 0.2853, 0.2799



Tritanopia

39.9871, 0.2200, 0.3056

Trichromacy



Original Color

39.9977, 0.2207, 0.3146



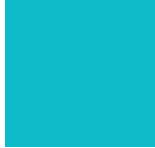
Protanomaly

37.3982, 0.2505, 0.3075



Deuteranomaly

37.1831, 0.2441, 0.2887



Tritanomaly

39.8123, 0.2200, 0.3085

Monochromacy



Original Color

39.9977, 0.2207, 0.3146



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

27.1141, 0.2522, 0.3235

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9977, 0.2207, 0.3146 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, 188, 197)` looks like.

```
.text, #text, p{  
    color:rgb(0, 188, 197)  
}
```

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, 188, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 197) }
```

Border

The CSS property to change the border of an element to Yxy 39.9977, 0.2207, 0.3146 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, 188, 197) }
```

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

```
.border{ border-color:rgb(0, 188, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 188, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 188, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 188, 197);  
box-shadow:4px 4px 4px 4px rgb(0, 188,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9977, 0.2207, 0.3146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 188, 197) }
```

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

```
.background{ background-color: rgb(0, 188,  
197) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor