

Converting Colors

$Y_{xy}(40.0289, 0.2200, 0.3068)$

Have a look what the booklet for
Yxy(40.0289, 0.2200, 0.3068)
contains.

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Color

Yxy(39.9064, 0.2201, 0.3071)

Conversions

Conversions Part 1

Format	Color
Hex	14BBC9
RGB	20, 187, 201
RGB Percent	8%, 73%, 79%
CMY	0.9209, 0.2667, 0.2119
CMYK	0.90, 0.07, 0.00, 0.21
HSL	185°, 82%, 43%
HSV	185°, 90%, 79%
XYZ	28.6011, 39.9064, 61.4384
YIQ	138.6630, -104.0260, -31.0500

Conversions

Conversions Part 2

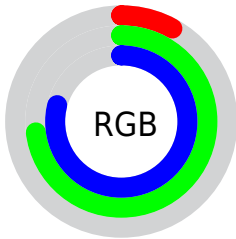
Format	Color
RYB	20, 107, 201
Decimal	1358793
CIELab	69.40, -33.06, -18.02
CIELCh	69, 37.652, 208.597
Yxy	39.9064, 0.2201, 0.3071
Android (android.graphics.Color)	4279548873 (0xFF14BBC9)
YUV	138.6630, 30.7321, -104.0675
Hunter-Lab	63.1715, -29.7337, -13.4434

Details

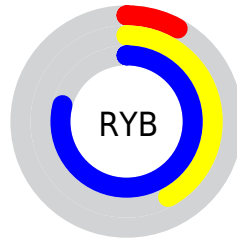
The Yxy color **39.9064, 0.2201, 0.3071** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed azure. A complement of this color would be **13.6170, 0.6136, 0.3371**, and the grayscale version is **25.6108, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0472, 0.2376, 0.3158**, and **18.8816, 0.2165, 0.2994** is the 20% darker color. If you saturate the color by 10%, you get **39.1023, 0.2179, 0.3045**, and if you desaturate by 10%, it is **40.8764, 0.2237, 0.3097**.

Distribution



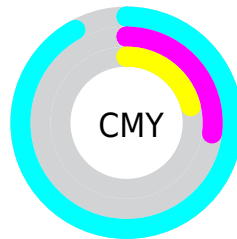
- Red (8%)
- Green (73%)
- Blue (79%)



- Red (8%)
- Yellow (42%)
- Blue (79%)



- Cyan (90%)
- Magenta (7%)
- Yellow (0%)
- Black (21%)




- Cyan (92%)
- Magenta (27%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9064, 0.2201, 0.3071 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 39.9064, 0.2201, 0.3071 by changing the saturation by 10% instead.


 39.9064, 0.2201,
0.3071


 39.9064, 0.2201,
0.3071


345.7289, 0.2658,
0.3198

 27.4656, 0.2090,
0.3034


 75.0210, 0.2365,
0.3121


 17.9232, 0.1950,
0.2983


 98.4635, 0.2427,
0.3139


 10.8949, 0.1769,
0.2910


 126.3420, 0.2480,
0.3154

 5.9962, 0.1527,
0.2799

 159.0410, 0.2526,
0.3166

 2.8428, 0.1195,
0.2616

 196.9448, 0.2566,
0.3176

 1.0502, 0.0410,
0.2361

240.4378, 0.2600,

 0.0000, 0.0000,

0.3184

0.0000

289.9043, 0.2631,
0.3192

■ 39.9064, 0.2201,
0.3071

■ 39.9064, 0.2201,
0.3071

■ 39.1023, 0.2179,
0.3045

■ 40.8764, 0.2237,
0.3097

■ 39.1000, 0.2179,
0.3045

■ 42.0616, 0.2292,
0.3124

■ 43.4921, 0.2366,
0.3150

■ 45.1918, 0.2458,
0.3176

■ 47.1819, 0.2567,
0.3201

■ 49.4814, 0.2692,
0.3226

■ 52.1076, 0.2829,
0.3249

■ 55.0766, 0.2975,
0.3270

■ 58.4033, 0.3128,
0.3290

Harmonies

Analogous

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



39.9064, 0.2495, 0.3628



39.9064, 0.2201, 0.3071



39.9064, 0.2136, 0.2649

Triad

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



39.9064, 0.2201, 0.3071



39.9064, 0.3210, 0.2627



39.9064, 0.3979, 0.4155

Complementary

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



39.9064, 0.2201, 0.3071



13.6170, 0.6136, 0.3371

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.



39.9064, 0.4222, 0.3801



39.9064, 0.2201, 0.3071



39.9064, 0.3763, 0.2957

Square

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



39.9064, 0.2201, 0.3071



39.9064, 0.2678, 0.2441



39.9064, 0.4148, 0.3371



39.9064, 0.3516, 0.4300

Rectangle

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



39.9064, 0.2201, 0.3071



39.9064, 0.2222, 0.2485



39.9064, 0.4148, 0.3371



39.9064, 0.4090, 0.4053

Sweetspot

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



39.9079, 0.2201, 0.3071



85.8497, 0.2726, 0.3232



42.0182, 0.2985, 0.5851



18.0596, 0.2681, 0.3224



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.



39.9079, 0.2201, 0.3071



66.8041, 0.2178, 0.3042



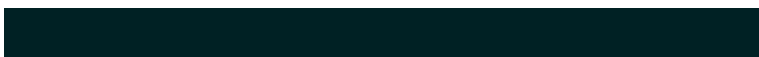
13.1981, 0.1785, 0.1545



11.9218, 0.2984, 0.3272



24.6520, 0.2180, 0.3049



1.2100, 0.2195, 0.3103

Inverse Universe

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



16.5082, 0.3389, 0.1680



27.2751, 0.3418, 0.1656



26.5377, 0.5045, 0.4285



10.8019, 0.3149, 0.3080



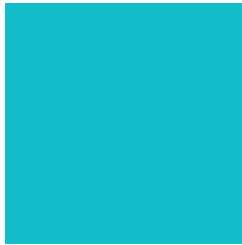
10.0286, 0.3411, 0.1653



0.4792, 0.3365, 0.1627

Previews

White Background



This preview shows how the Yxy color 39.9064, 0.2201, 0.3071 looks on a white background.

Color Contrast Check

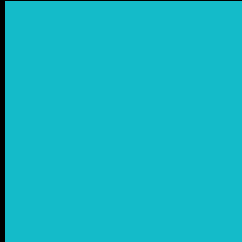
Large Text (above 18pt) WCAG AA × Fail

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 39.9064, 0.2201, 0.3071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

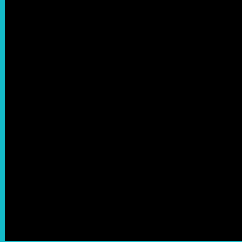
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.9064, 0.2201, 0.3071

Background



This preview shows how black text looks on a background with the Yxy color 39.9064, 0.2201, 0.3071.

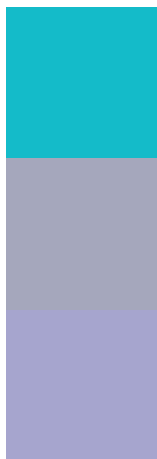


This preview shows how white text looks on a background with the Yxy color 39.9064, 0.2201, 0.3071.

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

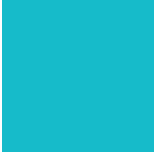
39.9064, 0.2201, 0.3071

Protanopia

39.2676, 0.2936, 0.3002

Deuteranopia

39.4735, 0.2806, 0.2747



Tritanopia

39.9755, 0.2199, 0.3056

Trichromacy



Original Color

39.9064, 0.2201, 0.3071



Protanomaly

37.5671, 0.2514, 0.3004



Deuteranomaly

37.7575, 0.2453, 0.2837



Tritanomaly

39.9643, 0.2198, 0.3056

Monochromacy



Original Color

39.9064, 0.2201, 0.3071



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

28.8724, 0.2563, 0.3185

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9064, 0.2201, 0.3071 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(20, 187, 201)` looks like.

```
.text, #text, p{  
    color:rgb(20, 187, 201)  
}
```

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(20, 187, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 187, 201) }
```

Border

The CSS property to change the border of an element to Yxy 39.9064, 0.2201, 0.3071 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(20, 187, 201) }
```

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

```
.border{ border-color:rgb(20, 187, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 187, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 187, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 187, 201);  
box-shadow:4px 4px 4px 4px rgb(20, 187,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9064, 0.2201, 0.3071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 187, 201) }
```

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

```
.background{ background-color: rgb(20, 187,  
201) }
```

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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