

Converting Colors

$Y_{xy}(34.1012, 0.1532, 0.3158)$

Have a look what the booklet for
Yxy(34.1012, 0.1532, 0.3158)
contains.

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Color

Yxy(39.9066, 0.2216, 0.3177)

Conversions

Conversions Part 1

Format	Color
Hex	00BCC3
RGB	0, 188, 195
RGB Percent	0%, 74%, 76%
CMY	0.9993, 0.2627, 0.2353
CMYK	1.00, 0.04, 0.00, 0.24
HSL	182°, 100%, 38%
HSV	182°, 100%, 76%
XYZ	27.8354, 39.9066, 57.8690
YIQ	132.5860, -114.2950, -37.6790

Conversions

Conversions Part 2

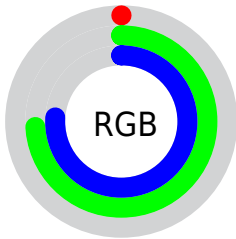
Format	Color
RYB	0, 96, 195
Decimal	48323
CIELab	69.40, -36.08, -14.76
CIElCh	69, 38.978, 202.247
Yxy	39.9066, 0.2216, 0.3177
Android (android.graphics.Color)	4278238403 (0xFF00BCC3)
YUV	132.5860, 30.7701, -116.2779
Hunter-Lab	63.1717, -31.8978, -10.0930

Details

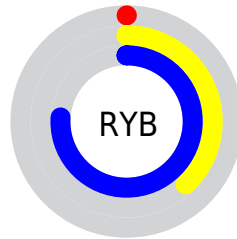
The Yxy color **39.9066, 0.2216, 0.3177** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **11.7595, 0.6375, 0.3319**, and the grayscale version is **23.2354, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.2167, 0.2378, 0.3205**, and **18.9733, 0.2205, 0.3138** is the 20% darker color. If you saturate the color by 10%, you get **39.9041, 0.2216, 0.3177**, and if you desaturate by 10%, it is **40.3527, 0.2234, 0.3189**.

Distribution



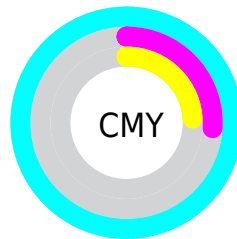
- Red (0%)
- Green (74%)
- Blue (76%)



- Red (0%)
- Yellow (38%)
- Blue (76%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (24%)




- Cyan (100%)
- Magenta (26%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.9066, 0.2216, 0.3177 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 39.9066, 0.2216, 0.3177 by changing the saturation by 10% instead.


 39.9066, 0.2216,
0.3177


 39.9066, 0.2216,
0.3177


345.7297, 0.2668,
0.3250

 27.4657, 0.2106,
0.3153


 75.0213, 0.2378,
0.3207


 17.9233, 0.1967,
0.3120


 98.4639, 0.2440,
0.3218

 10.8949, 0.1785,
0.3070


 126.3425, 0.2492,
0.3226

 5.9962, 0.1542,
0.2991

 159.0415, 0.2537,
0.3233

 2.8428, 0.1206,
0.2851

 196.9454, 0.2576,
0.3238

 1.0502, 0.0279,
0.2699

240.4384, 0.2610,

 0.0000, 0.0000,

0.3243

0.0000

289.9051, 0.2641,
0.3247

■ 39.9066, 0.2216,
0.3177

■ 39.9066, 0.2216,
0.3177

■ 39.9041, 0.2216,
0.3177

■ 40.3527, 0.2234,
0.3189

■ 40.9441, 0.2265,
0.3200

■ 41.7326, 0.2315,
0.3212

■ 42.7447, 0.2384,
0.3225

■ 44.0026, 0.2471,
0.3237

■ 45.5259, 0.2576,
0.3248

■ 47.3322, 0.2697,
0.3260

■ 49.4376, 0.2832,
0.3271

■ 51.8568, 0.2976,
0.3281

Harmonies

Analogous

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



39.9066, 0.2564, 0.3762



39.9066, 0.2216, 0.3177



39.9066, 0.2099, 0.2701

Triad

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



39.9066, 0.2216, 0.3177



39.9066, 0.3087, 0.2552



39.9066, 0.4083, 0.4117

Complementary

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



39.9066, 0.2216, 0.3177



11.7595, 0.6375, 0.3319

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.



39.9066, 0.4273, 0.3723



39.9066, 0.2216, 0.3177



39.9066, 0.3672, 0.2864

Square

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



39.9066, 0.2216, 0.3177



39.9066, 0.2564, 0.2398



39.9066, 0.4123, 0.3277



39.9066, 0.3640, 0.4330

Rectangle

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



39.9066, 0.2216, 0.3177



39.9066, 0.2154, 0.2501



39.9066, 0.4123, 0.3277



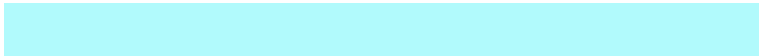
39.9066, 0.4180, 0.3998

Sweetspot

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



39.9081, 0.2216, 0.3177



84.5716, 0.2690, 0.3259



39.0492, 0.2995, 0.5980



18.2045, 0.2637, 0.3254



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.



39.9081, 0.2216, 0.3177



71.3799, 0.2215, 0.3175



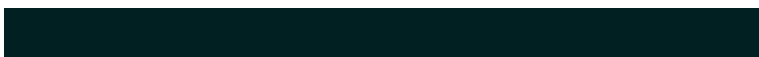
11.4408, 0.1740, 0.1464



11.3643, 0.2984, 0.3281



25.9610, 0.2216, 0.3179



1.1414, 0.2224, 0.3205

Inverse Universe

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



15.2378, 0.3301, 0.1593



27.2730, 0.3303, 0.1593



21.5218, 0.5313, 0.4163



10.2411, 0.3143, 0.3071



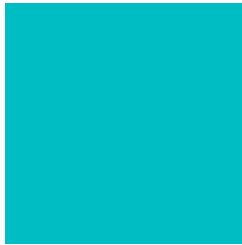
9.9030, 0.3300, 0.1592



0.4299, 0.3278, 0.1580

Previews

White Background



This preview shows how the Yxy color 39.9066, 0.2216, 0.3177 looks on a white background.

Color Contrast Check

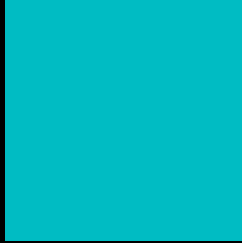
Large Text (above 18pt) WCAG AA × Fail

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 39.9066, 0.2216, 0.3177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

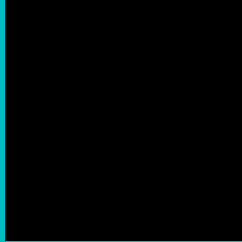
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.9066, 0.2216, 0.3177

Background



This preview shows how black text looks on a background with the Yxy color 39.9066, 0.2216, 0.3177.



This preview shows how white text looks on a background with the Yxy color 39.9066, 0.2216, 0.3177.

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

39.9066, 0.2216, 0.3177

Protanopia

39.2303, 0.3002, 0.3083

Deuteranopia

39.1561, 0.2876, 0.2811



Tritanopia

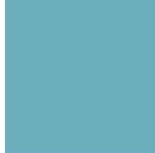
40.0245, 0.2203, 0.3056

Trichromacy



Original Color

39.9066, 0.2216, 0.3177



Protanomaly

37.3120, 0.2517, 0.3105



Deuteranomaly

37.1525, 0.2458, 0.2916



Tritanomaly

39.7833, 0.2206, 0.3100

Monochromacy



Original Color

39.9066, 0.2216, 0.3177



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 39.9066, 0.2216, 0.3177 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, 195)` looks like.

```
.text, #text, p{  
    color:rgb(0, 188, 195)  
}
```

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, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 195) }
```

Border

The CSS property to change the border of an element to Yxy 39.9066, 0.2216, 0.3177 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, 195) }
```

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

```
.border{ border-color:rgb(0, 188, 195) }
```

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, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 188, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 188, 195);  
box-shadow:4px 4px 4px 4px rgb(0, 188,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9066, 0.2216, 0.3177 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, 195) }
```

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

```
.background{ background-color: rgb(0, 188,  
195) }
```

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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