

Converting Colors

Yxy(33.6444, 0.1600, 0.3143)

Have a look what the booklet for
Yxy(33.6444, 0.1600, 0.3143)
contains.

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Color

Yxy(38.9681, 0.2216, 0.3176)

Conversions

Conversions Part 1

Format	Color
Hex	01BAC1
RGB	1, 186, 193
RGB Percent	0%, 73%, 76%
CMY	0.9977, 0.2706, 0.2431
CMYK	1.00, 0.04, 0.00, 0.24
HSL	182°, 99%, 38%
HSV	182°, 100%, 76%
XYZ	27.1893, 38.9681, 56.5381
YIQ	131.4830, -112.5070, -37.0430

Conversions

Conversions Part 2

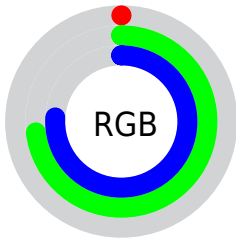
Format	Color
RYB	1, 95, 193
Decimal	113345
CIELab	68.73, -35.76, -14.67
CIELCh	69, 38.649, 202.306
Yxy	38.9681, 0.2216, 0.3176
Android (android.graphics.Color)	4278303425 (0xFF01BAC1)
YUV	131.4830, 30.3279, -114.4336
Hunter-Lab	62.4244, -31.4960, -10.0021

Details

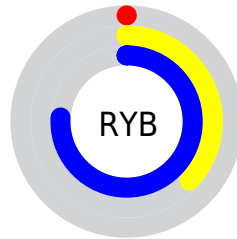
The Yxy color **38.9681, 0.2216, 0.3176** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **11.5033, 0.6371, 0.3319**, and the grayscale version is **22.7512, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.7655, 0.2382, 0.3216**, and **18.3960, 0.2199, 0.3115** is the 20% darker color. If you saturate the color by 10%, you get **38.9566, 0.2216, 0.3176**, and if you desaturate by 10%, it is **39.4100, 0.2234, 0.3188**.

Distribution



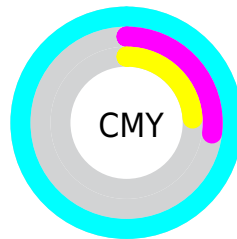
- Red (0%)
- Green (73%)
- Blue (76%)



- Red (0%)
- Yellow (37%)
- Blue (76%)



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




- Cyan (100%)
- Magenta (27%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.9681, 0.2216, 0.3176 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 38.9681, 0.2216, 0.3176 by changing the saturation by 10% instead.

 38.9681, 0.2216,
0.3176


 38.9681, 0.2216,
0.3176


341.7548, 0.2669,
0.3250


 26.7349, 0.2105,
0.3152


 73.5896, 0.2380,
0.3207


 17.3742, 0.1964,
0.3118


 96.7467, 0.2441,
0.3217


 10.5017, 0.1780,
0.3067


 124.3138, 0.2494,
0.3225

 5.7328, 0.1533,
0.2986

 156.6755, 0.2539,
0.3232

 2.6833, 0.1191,
0.2841

 194.2160, 0.2578,
0.3238

 0.9687, 0.0127,
0.2709

237.3198, 0.2612,

 0.0000, 0.0000,

0.3242

0.0000

286.3713, 0.2642,
0.3246

■ 38.9681, 0.2216,
0.3176

■ 38.9681, 0.2216,
0.3176

■ 38.9566, 0.2216,
0.3176

■ 39.4100, 0.2234,
0.3188

■ 39.9957, 0.2266,
0.3200

■ 40.7745, 0.2316,
0.3212

■ 41.7722, 0.2385,
0.3224

■ 43.0102, 0.2473,
0.3236

■ 44.5077, 0.2579,
0.3248

■ 46.2817, 0.2700,
0.3260

■ 48.3479, 0.2835,
0.3271

■ 50.7207, 0.2980,
0.3281

Harmonies

Analogous

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



38.9681, 0.2564, 0.3761



38.9681, 0.2216, 0.3176



38.9681, 0.2100, 0.2700

Triad

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



38.9681, 0.2216, 0.3176



38.9681, 0.3088, 0.2553



38.9681, 0.4082, 0.4117

Complementary

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



38.9681, 0.2216, 0.3176



11.5033, 0.6371, 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.



38.9681, 0.4272, 0.3724



38.9681, 0.2216, 0.3176



38.9681, 0.3673, 0.2865

Square

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



38.9681, 0.2216, 0.3176



38.9681, 0.2565, 0.2398



38.9681, 0.4123, 0.3278



38.9681, 0.3639, 0.4330

Rectangle

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



38.9681, 0.2216, 0.3176



38.9681, 0.2155, 0.2501



38.9681, 0.4123, 0.3278



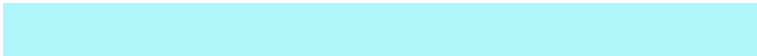
38.9681, 0.4179, 0.3999

Sweetspot

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



38.9695, 0.2216, 0.3176



82.6282, 0.2690, 0.3259



38.1578, 0.2995, 0.5978



17.4272, 0.2638, 0.3254



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



38.9695, 0.2216, 0.3176



69.6912, 0.2215, 0.3174



11.2311, 0.1742, 0.1469



11.3635, 0.2984, 0.3281



25.9382, 0.2216, 0.3177



1.1406, 0.2223, 0.3204

Inverse Universe

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



14.8949, 0.3302, 0.1594



26.6448, 0.3304, 0.1594



21.0806, 0.5308, 0.4165



10.2410, 0.3143, 0.3071



9.9007, 0.3301, 0.1592



0.4298, 0.3279, 0.1580

Previews

White Background



This preview shows how the Yxy color 38.9681, 0.2216, 0.3176 looks on a white background.

Color Contrast Check

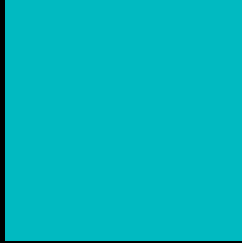
Large Text (above 18pt) WCAG AA × Fail

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 38.9681, 0.2216, 0.3176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

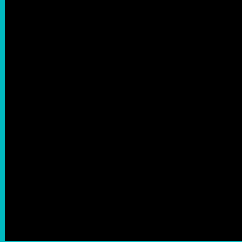
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

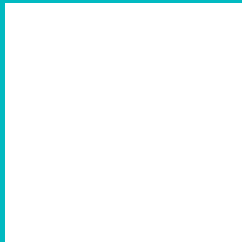
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.9681, 0.2216, 0.3176

Background



This preview shows how black text looks on a background with the Yxy color 38.9681, 0.2216, 0.3176.

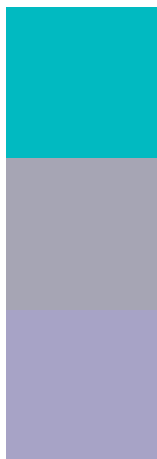


This preview shows how white text looks on a background with the Yxy color 38.9681, 0.2216, 0.3176.

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

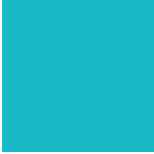
38.9745, 0.2216, 0.3176

Protanopia

38.3125, 0.3010, 0.3081

Deuteranopia

38.4871, 0.2874, 0.2820



Tritanopia

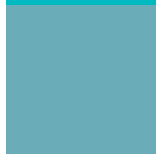
39.0877, 0.2203, 0.3054

Trichromacy



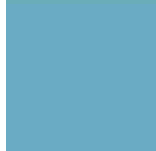
Original Color

38.9745, 0.2216, 0.3176



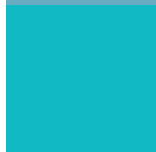
Protanomaly

36.4541, 0.2524, 0.3103



Deuteranomaly

36.1755, 0.2452, 0.2912



Tritanomaly

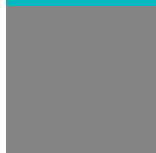
38.8483, 0.2206, 0.3099

Monochromacy



Original Color

38.9745, 0.2216, 0.3176



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

26.3511, 0.2523, 0.3234

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9681, 0.2216, 0.3176 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(1, 186, 193)` looks like.

```
.text, #text, p{  
    color:rgb(1, 186, 193)  
}
```

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(1, 186, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 186, 193) }
```

Border

The CSS property to change the border of an element to Yxy 38.9681, 0.2216, 0.3176 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(1, 186, 193) }
```

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

```
.border{ border-color:rgb(1, 186, 193) }
```

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

Here you see how a box with a 4 pixel rgb(1, 186, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 186, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 186, 193);  
box-shadow:4px 4px 4px 4px rgb(1, 186,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9681, 0.2216, 0.3176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 186, 193) }
```

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

```
.background{ background-color: rgb(1, 186,  
193) }
```

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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