

Converting Colors

$Y_{xy}(43.1772, 0.2230, 0.3229)$

Have a look what the booklet for
Yxy(43.1772, 0.2230, 0.3229)
contains.

Yxy(43.1537, 0.2230, 0.3226)	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(43.1537, 0.2230, 0.3226)

Conversions

Conversions Part 1

Format	Color
Hex	01C3C7
RGB	1, 195, 199
RGB Percent	0%, 76%, 78%
CMY	0.9967, 0.2353, 0.2196
CMYK	1.00, 0.02, 0.00, 0.22
HSL	181°, 99%, 39%
HSV	181°, 100%, 78%
XYZ	29.8304, 43.1537, 60.7844
YIQ	137.4500, -116.9080, -39.8840

Conversions

Conversions Part 2

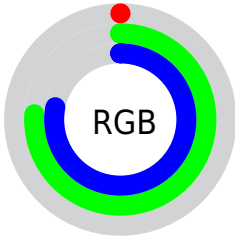
Format	Color
R _Y B	1, 99, 199
Decimal	115655
CIE Lab	71.66, -38.05, -13.54
CIE LCh	72, 40.390, 199.592
Yxy	43.1537, 0.2230, 0.3226
Android (android.graphics.Color)	4278305735 (0xFF01C3C7)
YUV	137.4500, 30.3442, -119.6666
Hunter-Lab	65.6915, -33.9036, -8.8771

Details

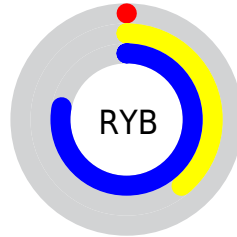
The Yxy color **43.1537, 0.2230, 0.3226** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **12.2478, 0.6381, 0.3310**, and the grayscale version is **25.0893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8441, 0.2391, 0.3253**, and **21.0941, 0.2224, 0.3205** is the 20% darker color. If you saturate the color by 10%, you get **43.1424, 0.2229, 0.3226**, and if you desaturate by 10%, it is **43.4867, 0.2246, 0.3232**.

Distribution



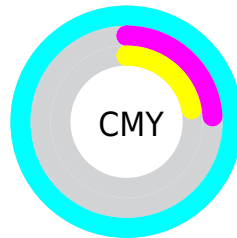
- Red (0%)
- Green (76%)
- Blue (78%)



- Red (0%)
- Yellow (39%)
- Blue (78%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (22%)





- Cyan (100%)
- Magenta (24%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.1537, 0.2230, 0.3226 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 43.1537, 0.2230, 0.3226 by changing the saturation by 10% instead.


 43.1537, 0.2230,
0.3226


 43.1537, 0.2230,
0.3226


359.2435, 0.2670,
0.3273


 30.0057, 0.2124,
0.3210


 79.9427, 0.2387,
0.3246


 19.8429, 0.1991,
0.3186

 104.3526, 0.2447,
0.3253

 12.2809, 0.1819,
0.3150


 133.2852, 0.2498,
0.3258

 6.9353, 0.1589,
0.3091

 167.1250, 0.2542,
0.3262

 3.4217, 0.1274,
0.2986

 206.2563, 0.2580,
0.3266

 1.3556, 0.0623,
0.2837

251.0636, 0.2614,

 0.1837, 0.0000,

0.3269

0.1368

301.9312, 0.2643,
0.3271

■ 0.0000, 0.0000,
0.0000

■ 43.1537, 0.2230,
0.3226

■ 43.1537, 0.2230,
0.3226

■ 43.1424, 0.2229,
0.3226

■ 43.4867, 0.2246,
0.3232

■ 43.9747, 0.2276,
0.3239

■ 44.6693, 0.2324,
0.3246

■ 45.5980, 0.2392,
0.3253

■ 46.7841, 0.2478,
0.3259

■ 48.2480, 0.2582,
0.3266

■ 50.0083, 0.2702,
0.3273

■ 52.0817, 0.2836,
0.3279

■ 54.4839, 0.2981,
0.3285

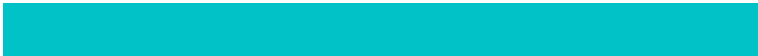
Harmonies

Analogous

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



43.1537, 0.2600, 0.3817



43.1537, 0.2230, 0.3226



43.1537, 0.2091, 0.2729

Triad

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



43.1537, 0.2230, 0.3226



43.1537, 0.3035, 0.2525



43.1537, 0.4121, 0.4094

Complementary

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



43.1537, 0.2230, 0.3226



12.2478, 0.6381, 0.3310

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.



43.1537, 0.4284, 0.3687



43.1537, 0.2230, 0.3226



43.1537, 0.3627, 0.2827

Square

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



43.1537, 0.2230, 0.3226



43.1537, 0.2520, 0.2385



43.1537, 0.4103, 0.3237



43.1537, 0.3691, 0.4333

Rectangle

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



43.1537, 0.2230, 0.3226



43.1537, 0.2132, 0.2514



43.1537, 0.4103, 0.3237



43.1537, 0.4211, 0.3969

Sweetspot

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



43.1553, 0.2230, 0.3226



87.2830, 0.2691, 0.3272



40.8576, 0.2997, 0.5987



18.3902, 0.2639, 0.3269



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.



43.1553, 0.2230, 0.3226



75.4999, 0.2229, 0.3225



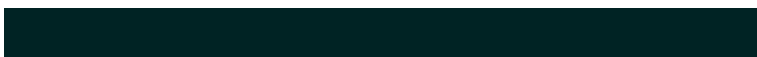
12.6061, 0.1757, 0.1521



12.0294, 0.2984, 0.3285



27.7605, 0.2230, 0.3227



1.3264, 0.2233, 0.3240

Inverse Universe

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



16.0989, 0.3260, 0.1571



28.1529, 0.3261, 0.1570



21.8863, 0.5357, 0.4125



10.8128, 0.3141, 0.3067



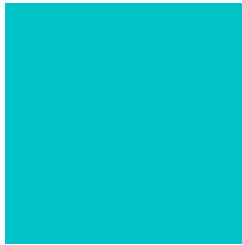
10.3424, 0.3260, 0.1569



0.4909, 0.3248, 0.1563

Previews

White Background



This preview shows how the Yxy color 43.1537, 0.2230, 0.3226 looks on a white background.

Color Contrast Check

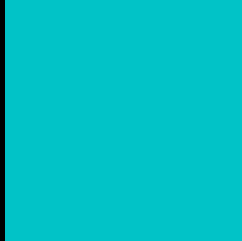
Large Text (above 18pt) WCAG AA × Fail

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 43.1537, 0.2230, 0.3226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

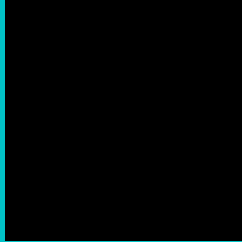
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.1537, 0.2230, 0.3226

Background



This preview shows how black text looks on a background with the Yxy color 43.1537, 0.2230, 0.3226.



This preview shows how white text looks on a background with the Yxy color 43.1537, 0.2230, 0.3226.

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

43.1602, 0.2230, 0.3226

Protanopia

42.3886, 0.3038, 0.3129

Deuteranopia

42.4562, 0.2915, 0.2851



Tritanopia

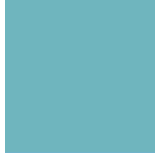
43.0347, 0.2206, 0.3049

Trichromacy



Original Color

43.1602, 0.2230, 0.3226



Protanomaly

40.1450, 0.2544, 0.3154



Deuteranomaly

40.0152, 0.2480, 0.2955



Tritanomaly

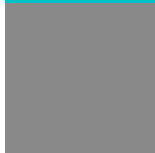
43.1401, 0.2214, 0.3121

Monochromacy



Original Color

43.1602, 0.2230, 0.3226



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

29.0180, 0.2523, 0.3253

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.1537, 0.2230, 0.3226 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, 195, 199)` looks like.

```
.text, #text, p{  
    color:rgb(1, 195, 199)  
}
```

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, 195, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 195, 199) }
```

Border

The CSS property to change the border of an element to Yxy 43.1537, 0.2230, 0.3226 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, 195, 199) }
```

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

```
.border{ border-color:rgb(1, 195, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 195, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 195, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 195, 199);  
box-shadow:4px 4px 4px 4px rgb(1, 195,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 43.1537, 0.2230, 0.3226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 195, 199) }
```

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

```
.background{ background-color: rgb(1, 195,  
199) }
```

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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