

Converting Colors

$Y_{xy}(42.3521, 0.2222, 0.3200)$

Have a look what the booklet for
Yxy(42.3521, 0.2222, 0.3200)
contains.

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Color

Yxy(42.2634, 0.2221, 0.3195)

Conversions

Conversions Part 1

Format	Color
Hex	00C1C7
RGB	0, 193, 199
RGB Percent	0%, 76%, 78%
CMY	0.9993, 0.2431, 0.2196
CMYK	1.00, 0.03, 0.00, 0.22
HSL	182°, 100%, 39%
HSV	182°, 100%, 78%
XYZ	29.3793, 42.2634, 60.6371
YIQ	135.9770, -116.9540, -39.0500

Conversions

Conversions Part 2

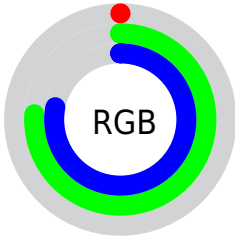
Format	Color
RYB	0, 98, 199
Decimal	49607
CIELab	71.05, -37.16, -14.46
CIELCh	71, 39.870, 201.260
Yxy	42.2634, 0.2221, 0.3195
Android (android.graphics.Color)	4278239687 (0xFF00C1C7)
YUV	135.9770, 31.0703, -119.2518
Hunter-Lab	65.0103, -33.1006, -9.7943

Details

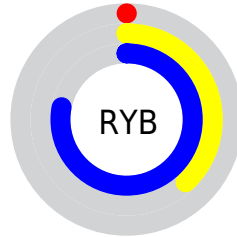
The Yxy color **42.2634, 0.2221, 0.3195** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **12.2758, 0.6379, 0.3316**, and the grayscale version is **24.5481, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5343, 0.2383, 0.3229**, and **20.5096, 0.2212, 0.3163** is the 20% darker color. If you saturate the color by 10%, you get **42.2612, 0.2221, 0.3195**, and if you desaturate by 10%, it is **42.6791, 0.2238, 0.3205**.

Distribution



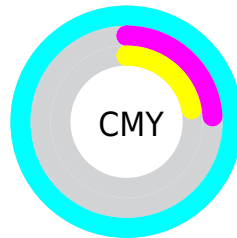
- Red (0%)
- Green (76%)
- Blue (78%)



- Red (0%)
- Yellow (38%)
- Blue (78%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (22%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2634, 0.2221, 0.3195 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 42.2634, 0.2221, 0.3195 by changing the saturation by 10% instead.


 42.2634, 0.2221,
0.3195


 42.2634, 0.2221,
0.3195

355.5737, 0.2666,
0.3258


 29.3076, 0.2114,
0.3174


 78.5981, 0.2380,
0.3222


 19.3136, 0.1978,
0.3145


 102.7458, 0.2441,
0.3230


 11.8971, 0.1803,
0.3101


 131.3929, 0.2492,
0.3238

 6.6737, 0.1570,
0.3031

 164.9239, 0.2537,
0.3243

 3.2589, 0.1249,
0.2909

 203.7230, 0.2575,
0.3248

 1.2683, 0.0553,
0.2740

248.1748, 0.2609,

 0.1165, 0.0000,

0.3252

0.0921

298.6635, 0.2639,
0.3255

■ 0.0000, 0.0000,
0.0000

■ 42.2634, 0.2221,
0.3195

■ 42.2634, 0.2221,
0.3195

■ 42.2612, 0.2221,
0.3195

■ 42.6791, 0.2238,
0.3205

■ 43.2471, 0.2269,
0.3215

■ 44.0213, 0.2317,
0.3225

■ 45.0293, 0.2385,
0.3235

■ 46.2946, 0.2472,
0.3245

■ 47.8378, 0.2577,
0.3255

■ 49.6773, 0.2697,
0.3264

■ 51.8300, 0.2831,
0.3274

■ 54.3117, 0.2976,
0.3282

Harmonies

Analogous

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



42.2634, 0.2577, 0.3783



42.2634, 0.2221, 0.3195



42.2634, 0.2096, 0.2711

Triad

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



42.2634, 0.2221, 0.3195



42.2634, 0.3068, 0.2542



42.2634, 0.4097, 0.4109

Complementary

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



42.2634, 0.2221, 0.3195



12.2758, 0.6379, 0.3316

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.



42.2634, 0.4277, 0.3710



42.2634, 0.2221, 0.3195



42.2634, 0.3655, 0.2850

Square

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



42.2634, 0.2221, 0.3195



42.2634, 0.2548, 0.2393



42.2634, 0.4116, 0.3262



42.2634, 0.3659, 0.4332

Rectangle

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



42.2634, 0.2221, 0.3195



42.2634, 0.2146, 0.2506



42.2634, 0.4116, 0.3262



42.2634, 0.4192, 0.3988

Sweetspot

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



42.2650, 0.2221, 0.3195



86.8020, 0.2691, 0.3264



40.8526, 0.2997, 0.5990



18.2729, 0.2637, 0.3260



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.



42.2650, 0.2221, 0.3195



73.9340, 0.2221, 0.3194



12.5410, 0.1755, 0.1516



12.0106, 0.2984, 0.3283



27.2013, 0.2221, 0.3196



1.3056, 0.2227, 0.3217

Inverse Universe

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



15.9956, 0.3286, 0.1584



27.9948, 0.3287, 0.1585



21.8232, 0.5364, 0.4122



10.8109, 0.3142, 0.3069



10.2860, 0.3285, 0.1583



0.4888, 0.3268, 0.1574

Previews

White Background



This preview shows how the Yxy color 42.2634, 0.2221, 0.3195 looks on a white background.

Color Contrast Check

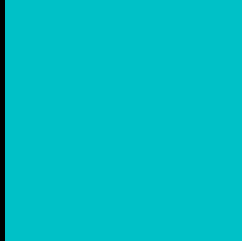
Large Text (above 18pt) WCAG AA × Fail

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 42.2634, 0.2221, 0.3195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

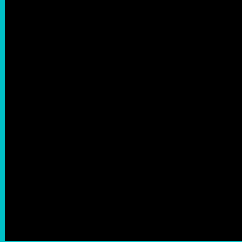
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

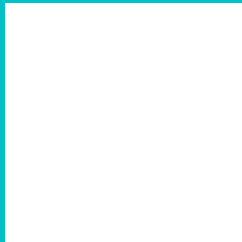
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.2634, 0.2221, 0.3195

Background



This preview shows how black text looks on a background with the Yxy color 42.2634, 0.2221, 0.3195.

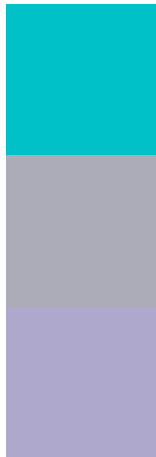


This preview shows how white text looks on a background with the Yxy color 42.2634, 0.2221, 0.3195.

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

42.2634, 0.2221, 0.3195

Protanopia

41.7785, 0.3021, 0.3115

Deuteranopia

41.7342, 0.2890, 0.2835



Tritanopia

42.4511, 0.2206, 0.3062

Trichromacy



Original Color

42.2634, 0.2221, 0.3195



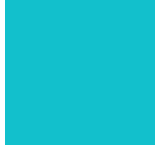
Protanomaly

39.6752, 0.2535, 0.3139



Deuteranomaly

39.4846, 0.2466, 0.2938



Tritanomaly

42.1875, 0.2208, 0.3105

Monochromacy



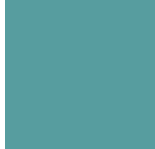
Original Color

42.2634, 0.2221, 0.3195



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

28.6434, 0.2527, 0.3253

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2634, 0.2221, 0.3195 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, 193, 199)` looks like.

```
.text, #text, p{  
  color:rgb(0, 193, 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(0, 193, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 193, 199) }
```

Border

The CSS property to change the border of an element to Yxy 42.2634, 0.2221, 0.3195 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, 193, 199) }
```

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

```
.border{ border-color:rgb(0, 193, 199) }
```

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

Here you see how a box with a 4 pixel rgb(0, 193, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 193, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 193, 199);  
box-shadow:4px 4px 4px 4px rgb(0, 193,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2634, 0.2221, 0.3195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 193, 199) }
```

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

```
.background{ background-color: rgb(0, 193,  
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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