

Converting Colors

$Y_{xy}(42.4663, 0.2200, 0.3120)$

Have a look what the booklet for
Yxy(42.4663, 0.2200, 0.3120)
contains.

Yxy(42.4996, 0.2200, 0.3120)	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(42.4996, 0.2200, 0.3120)

Conversions

Conversions Part 1

Format	Color
Hex	00C1CC
RGB	0, 193, 204
RGB Percent	0%, 76%, 80%
CMY	1.0000, 0.2431, 0.2000
CMYK	1.00, 0.05, 0.00, 0.20
HSL	183°, 100%, 40%
HSV	183°, 100%, 80%
XYZ	29.9677, 42.4996, 63.7494
YIQ	136.5470, -118.5590, -37.4950

Conversions

Conversions Part 2

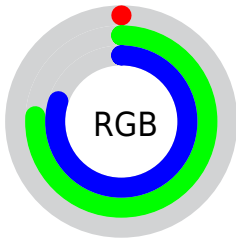
Format	Color
RYB	0, 99, 204
Decimal	49612
CIELab	71.21, -35.61, -16.95
CIELCh	71, 39.439, 205.447
Yxy	42.4996, 0.2200, 0.3120
Android (android.graphics.Color)	4278239692 (0xFF00C1CC)
YUV	136.5470, 33.2543, -119.7517
Hunter-Lab	65.1917, -32.0317, -12.3441

Details

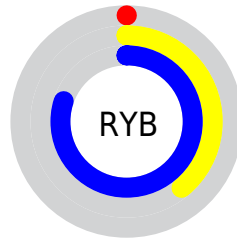
The Yxy color **42.4996, 0.2200, 0.3120** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **13.0765, 0.6366, 0.3327**, and the grayscale version is **24.7435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5945, 0.2386, 0.3229**, and **20.6672, 0.2184, 0.3063** is the 20% darker color. If you saturate the color by 10%, you get **42.5017, 0.2200, 0.3120**, and if you desaturate by 10%, it is **43.1426, 0.2219, 0.3138**.

Distribution



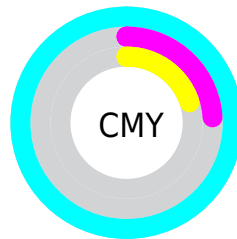
- Red (0%)
- Green (76%)
- Blue (80%)



- Red (0%)
- Yellow (39%)
- Blue (80%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (20%)





- Cyan (100%)
- Magenta (24%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.4996, 0.2200, 0.3120 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 42.4996, 0.2200, 0.3120 by changing the saturation by 10% instead.


 42.4996, 0.2200,
0.3120


 42.4996, 0.2200,
0.3120


356.5498, 0.2654,
0.3222


 29.4927, 0.2091,
0.3090


 78.9552, 0.2362,
0.3161

 19.4538, 0.1955,
0.3048


 103.1727, 0.2423,
0.3175


 11.9987, 0.1779,
0.2988

 131.8958, 0.2476,
0.3186

 6.7428, 0.1545,
0.2895

 165.5089, 0.2521,
0.3196

 3.3018, 0.1227,
0.2742

 204.3965, 0.2561,
0.3204

 1.2912, 0.0603,
0.2508

248.9429, 0.2596,

 0.1344, 0.0000,

0.3211

0.0888

299.5326, 0.2626,
0.3217

■ 0.0000, 0.0000,
0.0000

■ 42.4996, 0.2200,
0.3120

■ 42.4996, 0.2200,
0.3120

■ 42.5017, 0.2200,
0.3120

■ 43.1426, 0.2219,
0.3138

■ 43.9485, 0.2252,
0.3156

■ 44.9749, 0.2304,
0.3174

■ 46.2512, 0.2374,
0.3192

■ 47.8025, 0.2464,
0.3210

■ 49.6507, 0.2571,
0.3228

■ 51.8155, 0.2693,
0.3245

■ 54.3148, 0.2829,
0.3261

■ 57.1652, 0.2974,
0.3276

Harmonies

Analogous

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



42.4996, 0.2523, 0.3697



42.4996, 0.2200, 0.3120



42.4996, 0.2109, 0.2668

Triad

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



42.4996, 0.2200, 0.3120



42.4996, 0.3150, 0.2584



42.4996, 0.4038, 0.4144

Complementary

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



42.4996, 0.2200, 0.3120



13.0765, 0.6366, 0.3327

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.



42.4996, 0.4258, 0.3766



42.4996, 0.2200, 0.3120



42.4996, 0.3725, 0.2908

Square

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



42.4996, 0.2200, 0.3120



42.4996, 0.2617, 0.2413



42.4996, 0.4146, 0.3325



42.4996, 0.3580, 0.4326

Rectangle

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



42.4996, 0.2200, 0.3120



42.4996, 0.2180, 0.2485



42.4996, 0.4146, 0.3325



42.4996, 0.4144, 0.4032

Sweetspot

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



42.5017, 0.2200, 0.3120



85.6618, 0.2688, 0.3244



43.2078, 0.2992, 0.5972



17.9952, 0.2634, 0.3237



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.



42.5017, 0.2200, 0.3120



70.2827, 0.2199, 0.3118



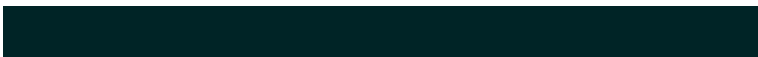
11.9793, 0.1723, 0.1404



12.6194, 0.2984, 0.3277



26.7960, 0.2201, 0.3123



1.4148, 0.2210, 0.3157

Inverse Universe

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



16.6878, 0.3350, 0.1619



27.6262, 0.3352, 0.1620



24.4698, 0.5270, 0.4198



11.3929, 0.3146, 0.3074



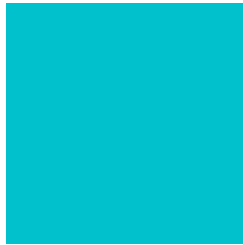
10.5081, 0.3348, 0.1618



0.5454, 0.3318, 0.1602

Previews

White Background



This preview shows how the Yxy color 42.4996, 0.2200, 0.3120 looks on a white background.

Color Contrast Check

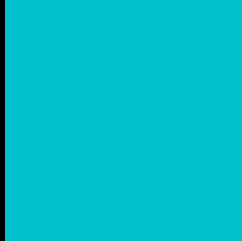
Large Text (above 18pt) WCAG AA × Fail

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 42.4996, 0.2200, 0.3120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

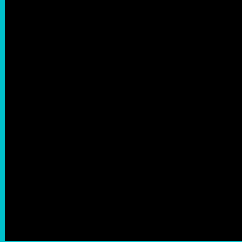
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.4996, 0.2200, 0.3120

Background



This preview shows how black text looks on a background with the Yxy color 42.4996, 0.2200, 0.3120.



This preview shows how white text looks on a background with the Yxy color 42.4996, 0.2200, 0.3120.

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

42.4996, 0.2200, 0.3120

Protanopia

41.8807, 0.2973, 0.3049

Deuteranopia

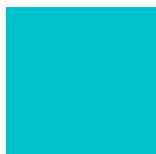
41.7500, 0.2836, 0.2772



Tritanopia

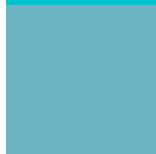
42.4128, 0.2194, 0.3047

Trichromacy



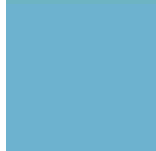
Original Color

42.4996, 0.2200, 0.3120



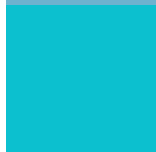
Protanomaly

39.8339, 0.2500, 0.3066



Deuteranomaly

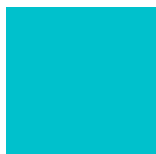
39.5970, 0.2427, 0.2869



Tritanomaly

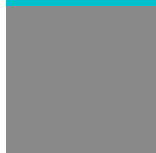
42.2898, 0.2191, 0.3061

Monochromacy



Original Color

42.4996, 0.2200, 0.3120



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

28.7134, 0.2513, 0.3219

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4996, 0.2200, 0.3120 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, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 193, 204)  
}
```

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, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 193, 204) }
```

Border

The CSS property to change the border of an element to Yxy 42.4996, 0.2200, 0.3120 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, 204) }
```

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

```
.border{ border-color:rgb(0, 193, 204) }
```

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, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 193, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 193, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 193,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4996, 0.2200, 0.3120 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, 204) }
```

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

```
.background{ background-color: rgb(0, 193,  
204) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor