

Converting Colors

$Y_{xy}(42.7992, 0.2300, 0.3167)$

Have a look what the booklet for
Yxy(42.7992, 0.2300, 0.3167)
contains.

Yxy(42.7992, 0.2300, 0.3167)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.7992, 0.2300, 0.3167)

Conversions

Conversions Part 1

Format	Color
Hex	3BC0C8
RGB	59, 192, 200
RGB Percent	23%, 75%, 78%
CMY	0.7682, 0.2471, 0.2157
CMYK	0.70, 0.04, 0.00, 0.22
HSL	183°, 56%, 51%
HSV	183°, 70%, 78%
XYZ	31.0825, 42.7992, 61.2595
YIQ	153.1450, -81.8360, -25.7080

Conversions

Conversions Part 2

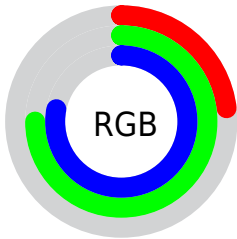
Format	Color
RYB	59, 127, 200
Decimal	3915976
CIELab	71.42, -32.33, -14.39
CIELCh	71, 35.382, 203.992
Yxy	42.7992, 0.2300, 0.3167
Android (android.graphics.Color)	4282106056 (0xFF3BC0C8)
YUV	153.1450, 23.0995, -82.5652
Hunter-Lab	65.4211, -29.6791, -9.7236

Details

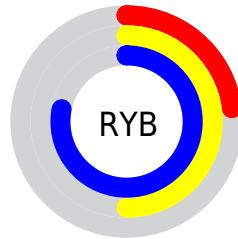
The Yxy color **42.7992, 0.2300, 0.3167** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **16.6230, 0.5411, 0.3378**, and the grayscale version is **31.8606, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4070, 0.2454, 0.3219**, and **20.2523, 0.2200, 0.3122** is the 20% darker color. If you saturate the color by 10%, you get **41.8046, 0.2249, 0.3148**, and if you desaturate by 10%, it is **44.0350, 0.2370, 0.3186**.

Distribution



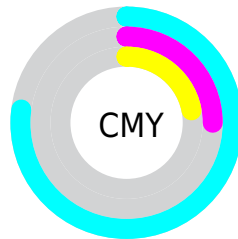
- Red (23%)
- Green (75%)
- Blue (78%)



- Red (23%)
- Yellow (50%)
- Blue (78%)



- Cyan (70%)
- Magenta (4%)
- Yellow (0%)
- Black (22%)



- Cyan (77%)
- Magenta (25%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.7992, 0.2300, 0.3167 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 42.7992, 0.2300, 0.3167 by changing the saturation by 10% instead.


 42.7992, 0.2300,
0.3167


 42.7992, 0.2300,
0.3167


357.7853, 0.2707,
0.3242

 29.7276, 0.2201,
0.3144


 79.4078, 0.2446,
0.3197


 19.6319, 0.2077,
0.3113


 103.7135, 0.2501,
0.3208

 12.1278, 0.1916,
0.3067


 132.5327, 0.2548,
0.3216

 6.8308, 0.1699,
0.2996

 166.2499, 0.2589,
0.3223

 3.3565, 0.1397,
0.2876

 205.2493, 0.2624,
0.3229

 1.3206, 0.0838,
0.2682

249.9154, 0.2655,

 0.1570, 0.0000,

0.3234

0.1163

300.6327, 0.2682,
0.3238

■ 0.0000, 0.0000,
0.0000

■ 42.7992, 0.2300,
0.3167

■ 42.7992, 0.2300,
0.3167

■ 41.8046, 0.2249,
0.3148

■ 44.0350, 0.2370,
0.3186

■ 41.0179, 0.2216,
0.3129

■ 45.5311, 0.2459,
0.3205

■ 40.4108, 0.2198,
0.3111

■ 47.3100, 0.2566,
0.3224

■ 49.3907, 0.2688,
0.3242

■ 51.7902, 0.2823,
0.3259

■ 54.5244, 0.2968,
0.3275

■ 57.6082, 0.3120,
0.3289

■ 61.0556, 0.3277,
0.3303

■ 64.8795, 0.3435,
0.3315

Harmonies

Analogous

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



42.7992, 0.2605, 0.3678



42.7992, 0.2300, 0.3167



42.7992, 0.2205, 0.2750

Triad

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



42.7992, 0.2300, 0.3167



42.7992, 0.3125, 0.2639



42.7992, 0.3964, 0.4050

Complementary

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



42.7992, 0.2300, 0.3167



16.6230, 0.5411, 0.3378

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.



42.7992, 0.4143, 0.3710



42.7992, 0.2300, 0.3167



42.7992, 0.3640, 0.2930

Square

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



42.7992, 0.2300, 0.3167



42.7992, 0.2650, 0.2491



42.7992, 0.4025, 0.3308



42.7992, 0.3563, 0.4213

Rectangle

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



42.7992, 0.2300, 0.3167



42.7992, 0.2262, 0.2575



42.7992, 0.4025, 0.3308



42.7992, 0.4053, 0.3950

Sweetspot

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



42.8008, 0.2300, 0.3167



89.2965, 0.2811, 0.3257



42.6327, 0.2997, 0.5448



18.8547, 0.2772, 0.3253



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.



42.8008, 0.2300, 0.3167



71.5588, 0.2228, 0.3137



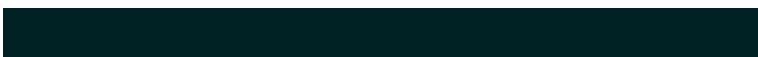
19.1483, 0.2012, 0.2000



11.9604, 0.2984, 0.3276



25.7426, 0.2198, 0.3114



1.2511, 0.2209, 0.3153

Inverse Universe

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



19.2240, 0.3297, 0.1816



29.1152, 0.3332, 0.1670



30.3725, 0.4645, 0.4211



10.8058, 0.3146, 0.3075



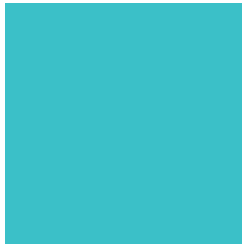
10.1387, 0.3355, 0.1622



0.4833, 0.3322, 0.1604

Previews

White Background



This preview shows how the Yxy color 42.7992, 0.2300, 0.3167 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 42.7992, 0.2300, 0.3167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

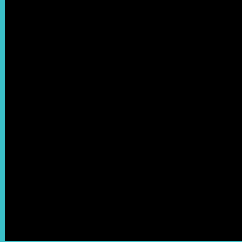
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

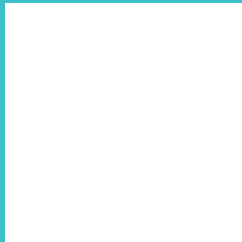
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.7992, 0.2300, 0.3167

Background



This preview shows how black text looks on a background with the Yxy color 42.7992, 0.2300, 0.3167.

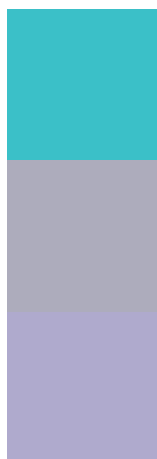


This preview shows how white text looks on a background with the Yxy color 42.7992, 0.2300, 0.3167.

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

42.7992, 0.2300, 0.3167

Protanopia

42.0201, 0.3006, 0.3076

Deuteranopia

42.2712, 0.2891, 0.2837



Tritanopia

42.7746, 0.2280, 0.3065

Trichromacy



Original Color

42.7992, 0.2300, 0.3167

Protanomaly

40.9515, 0.2662, 0.3102

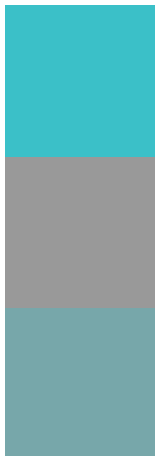
Deuteranomaly

41.1391, 0.2597, 0.2938

Tritanomaly

42.6454, 0.2286, 0.3093

Monochromacy



Original Color

42.7992, 0.2300, 0.3167

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

34.4617, 0.2698, 0.3241

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7992, 0.2300, 0.3167 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(59, 192, 200)` looks like.

```
.text, #text, p{  
    color:rgb(59, 192, 200)  
}
```

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(59, 192, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 192, 200) }
```

Border

The CSS property to change the border of an element to Yxy 42.7992, 0.2300, 0.3167 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(59, 192, 200) }
```

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

```
.border{ border-color:rgb(59, 192, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 192, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 192, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 192, 200);  
box-shadow:4px 4px 4px 4px rgb(59, 192,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7992, 0.2300, 0.3167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 192, 200) }
```

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

```
.background{ background-color: rgb(59, 192,  
200) }
```

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