

Converting Colors

$Yxy(42.6939, 0.2413, 0.3688)$

Have a look what the booklet for
Yxy(42.6939, 0.2413, 0.3688)
contains.

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Color

Yxy(42.9337, 0.2414, 0.3690)

Conversions

Conversions Part 1

Format	Color
Hex	2BC4AB
RGB	43, 196, 171
RGB Percent	17%, 77%, 67%
CMY	0.8312, 0.2314, 0.3294
CMYK	0.78, 0.00, 0.13, 0.23
HSL	170°, 64%, 47%
HSV	170°, 78%, 77%
XYZ	28.0872, 42.9337, 45.3305
YIQ	147.4030, -83.1630, -40.2110

Conversions

Conversions Part 2

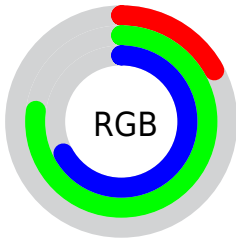
Format	Color
RYB	43, 126, 196
Decimal	2868395
CIELab	71.51, -44.16, 1.54
CIELCh	72, 44.187, 178.003
Yxy	42.9337, 0.2414, 0.3690
Android (android.graphics.Color)	4281058475 (0xFF2BC4AB)
YUV	147.4030, 11.6333, -91.5614
Hunter-Lab	65.5238, -38.1514, 4.8488

Details

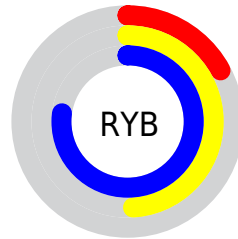
The Yxy color **42.9337, 0.2414, 0.3690** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **13.8849, 0.5433, 0.3057**, and the grayscale version is **29.3352, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3864, 0.2546, 0.3614**, and **20.3817, 0.2383, 0.3778** is the 20% darker color. If you saturate the color by 10%, you get **42.4875, 0.2395, 0.3748**, and if you desaturate by 10%, it is **43.5896, 0.2452, 0.3632**.

Distribution



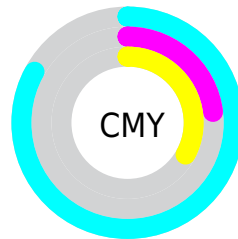
- Red (17%)
- Green (77%)
- Blue (67%)



- Red (17%)
- Yellow (49%)
- Blue (77%)



- Cyan (78%)
- Magenta (0%)
- Yellow (13%)
- Black (23%)





- Cyan (83%)
- Magenta (23%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.9337, 0.2414, 0.3690 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 42.9337, 0.2414, 0.3690 by changing the saturation by 10% instead.


 42.9337, 0.2414,
0.3690


 42.9337, 0.2414,
0.3690


358.3390, 0.2773,
0.3487

 29.8331, 0.2324,
0.3741


 79.6108, 0.2545,
0.3616


 19.7119, 0.2209,
0.3808

 103.9561, 0.2594,
0.3588


 12.1858, 0.2056,
0.3896


 132.8184, 0.2635,
0.3565

 6.8704, 0.1844,
0.4021

 166.5821, 0.2671,
0.3545

 3.3812, 0.1535,
0.4205

 205.6317, 0.2701,
0.3527

 1.3338, 0.0478,
0.4794

250.3514, 0.2728,


 0.1672, 0.0000,


0.3512

0.6922

301.1257, 0.2752,
0.3499


 0.0000, 0.0000,
0.0000


 42.9337, 0.2414,
0.3690


 42.9337, 0.2414,
0.3690


 42.4875, 0.2395,
0.3748


 43.5896, 0.2452,
0.3632


 42.2071, 0.2393,
0.3806

 44.4760, 0.2509,
0.3574

 42.1596, 0.2394,
0.3817

 45.6165, 0.2584,
0.3518

 47.0307, 0.2675,
0.3464

 48.7359, 0.2781,
0.3413

■ 50.7483, 0.2897,
0.3366

■ 53.0827, 0.3023,
0.3322

■ 55.7530, 0.3153,
0.3283

■ 58.7723, 0.3287,
0.3247

Harmonies

Analogous

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



42.9337, 0.2954, 0.4254



42.9337, 0.2414, 0.3690



42.9337, 0.2084, 0.3042

Triad

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



42.9337, 0.2414, 0.3690



42.9337, 0.2604, 0.2333



42.9337, 0.4378, 0.3845

Complementary

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



42.9337, 0.2414, 0.3690



13.8849, 0.5433, 0.3057

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.



42.9337, 0.4291, 0.3361



42.9337, 0.2414, 0.3690



42.9337, 0.3204, 0.2537

Square

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



42.9337, 0.2414, 0.3690



42.9337, 0.2188, 0.2331



42.9337, 0.3843, 0.2901



42.9337, 0.4099, 0.4260

Rectangle

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



42.9337, 0.2414, 0.3690



42.9337, 0.2006, 0.2696



42.9337, 0.3843, 0.2901



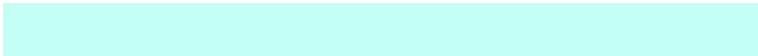
42.9337, 0.4393, 0.3685

Sweetspot

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



42.9354, 0.2414, 0.3690



89.9204, 0.2834, 0.3391



40.9039, 0.3117, 0.5642



18.9700, 0.2792, 0.3408



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.



42.9354, 0.2414, 0.3690



76.5721, 0.2393, 0.3791



24.7557, 0.2073, 0.2433



11.3993, 0.3006, 0.3328



27.0995, 0.2392, 0.3809



1.1786, 0.2356, 0.3680

Inverse Universe

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



13.8849, 0.5433, 0.3057



21.8812, 0.6054, 0.3147



19.9213, 0.5249, 0.3844



10.1042, 0.3264, 0.3253



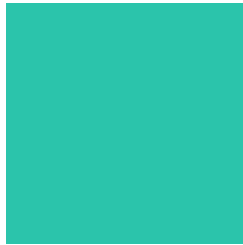
7.6165, 0.6144, 0.3158



0.3377, 0.5582, 0.2849

Previews

White Background



This preview shows how the Yxy color 42.9337, 0.2414, 0.3690 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 42.9337, 0.2414, 0.3690 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

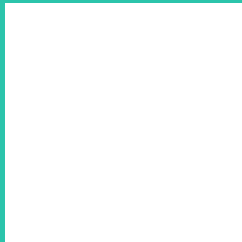
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.9337, 0.2414, 0.3690

Background



This preview shows how black text looks on a background with the Yxy color 42.9337, 0.2414, 0.3690.

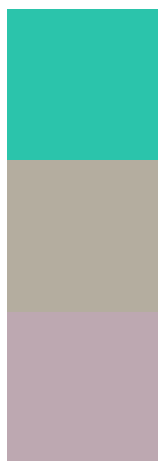


This preview shows how white text looks on a background with the Yxy color 42.9337, 0.2414, 0.3690.

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

42.9337, 0.2414, 0.3690

Protanopia

42.0936, 0.3310, 0.3481

Deuteranopia

41.9984, 0.3243, 0.3173



Tritanopia

42.8761, 0.2289, 0.3065

Trichromacy



Original Color

42.9337, 0.2414, 0.3690



Protanomaly

40.4379, 0.2849, 0.3562



Deuteranomaly

40.1702, 0.2806, 0.3333



Tritanomaly

42.8897, 0.2333, 0.3288

Monochromacy



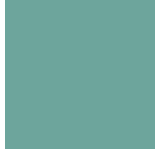
Original Color

42.9337, 0.2414, 0.3690



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

32.5618, 0.2720, 0.3438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9337, 0.2414, 0.3690 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(43, 196, 171)` looks like.

```
.text, #text, p{  
    color:rgb(43, 196, 171)  
}
```

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(43, 196, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 196, 171) }
```

Border

The CSS property to change the border of an element to Yxy 42.9337, 0.2414, 0.3690 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(43, 196, 171) }
```

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

```
.border{ border-color:rgb(43, 196, 171) }
```

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

Here you see how a box with a 4 pixel rgb(43, 196, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 196, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 196, 171);  
box-shadow:4px 4px 4px 4px rgb(43, 196,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9337, 0.2414, 0.3690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 196, 171) }
```

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

```
.background{ background-color: rgb(43, 196,  
171) }
```

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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