

Converting Colors

$Y_{xy}(44.1310, 0.2338, 0.3478)$

Have a look what the booklet for
Yxy(44.1310, 0.2338, 0.3478)
contains.

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Color

Yxy(44.2843, 0.2342, 0.3490)

Conversions

Conversions Part 1

Format	Color
Hex	25C6B9
RGB	37, 198, 185
RGB Percent	15%, 78%, 73%
CMY	0.8545, 0.2235, 0.2745
CMYK	0.81, 0.00, 0.07, 0.22
HSL	175°, 68%, 46%
HSV	175°, 81%, 78%
XYZ	29.7174, 44.2843, 52.8874
YIQ	148.3790, -91.7830, -38.1750

Conversions

Conversions Part 2

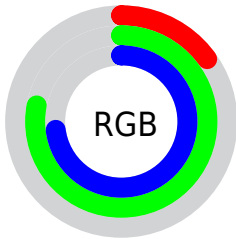
Format	Color
RYB	37, 121, 198
Decimal	2475705
CIELab	72.42, -41.75, -4.77
CIELCh	72, 42.024, 186.517
Yxy	44.2843, 0.2342, 0.3490
Android (android.graphics.Color)	4280665785 (0xFF25C6B9)
YUV	148.3790, 18.0542, -97.6794
Hunter-Lab	66.5464, -36.7441, -0.5378

Details

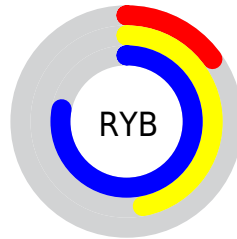
The Yxy color **44.2843, 0.2342, 0.3490** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **13.5660, 0.5779, 0.3196**, and the grayscale version is **29.7460, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3816, 0.2480, 0.3453**, and **21.3109, 0.2312, 0.3522** is the 20% darker color. If you saturate the color by 10%, you get **43.9456, 0.2323, 0.3517**, and if you desaturate by 10%, it is **44.8256, 0.2379, 0.3463**.

Distribution



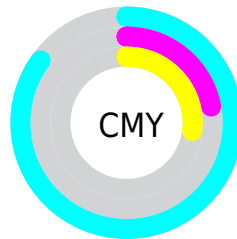
- Red (15%)
- Green (78%)
- Blue (73%)



- Red (15%)
- Yellow (47%)
- Blue (78%)



- Cyan (81%)
- Magenta (0%)
- Yellow (7%)
- Black (22%)





- Cyan (85%)
- Magenta (22%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.2843, 0.2342, 0.3490 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 44.2843, 0.2342, 0.3490 by changing the saturation by 10% instead.


 44.2843, 0.2342,
0.3490


 44.2843, 0.2342,
0.3490

363.8672, 0.2731,
0.3397


 30.8941, 0.2247,
0.3511


 81.6454, 0.2482,
0.3458

 20.5182, 0.2126,
0.3537


 106.3850, 0.2535,
0.3445


 12.7723, 0.1969,
0.3568


 135.6766, 0.2580,
0.3434

 7.2719, 0.1755,
0.3606

 169.9045, 0.2618,
0.3425

 3.6327, 0.1452,
0.3651

 209.4531, 0.2652,
0.3416

 1.4703, 0.0742,
0.3796

254.7068, 0.2681,

 0.2677, 0.0000,

0.3409

0.2999

306.0500, 0.2707,
0.3402

0.0000, 0.0000,
0.0000

44.2843, 0.2342,
0.3490

44.2843, 0.2342,
0.3490

43.9456, 0.2323,
0.3517

44.8256, 0.2379,
0.3463

43.7656, 0.2317,
0.3541

45.5927, 0.2436,
0.3435

46.6107, 0.2511,
0.3409

47.9005, 0.2605,
0.3383

49.4805, 0.2714,
0.3358

■ 51.3675, 0.2836,
0.3334

■ 53.5772, 0.2969,
0.3312

■ 56.1240, 0.3109,
0.3292

■ 59.0218, 0.3254,
0.3274

Harmonies

Analogous

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



44.2843, 0.2808, 0.4068



44.2843, 0.2342, 0.3490



44.2843, 0.2094, 0.2910

Triad

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



44.2843, 0.2342, 0.3490



44.2843, 0.2782, 0.2419



44.2843, 0.4265, 0.3944

Complementary

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



44.2843, 0.2342, 0.3490



13.5660, 0.5779, 0.3196

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.



44.2843, 0.4284, 0.3494



44.2843, 0.2342, 0.3490



44.2843, 0.3377, 0.2661

Square

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



44.2843, 0.2342, 0.3490



44.2843, 0.2328, 0.2360



44.2843, 0.3949, 0.3041



44.2843, 0.3925, 0.4288

Rectangle

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



44.2843, 0.2342, 0.3490



44.2843, 0.2065, 0.2623



44.2843, 0.3949, 0.3041



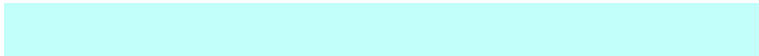
44.2843, 0.4311, 0.3799

Sweetspot

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



44.2860, 0.2342, 0.3490



89.8689, 0.2797, 0.3341



41.2127, 0.3053, 0.5752



18.9766, 0.2752, 0.3350



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.



44.2860, 0.2342, 0.3490



77.5414, 0.2318, 0.3539



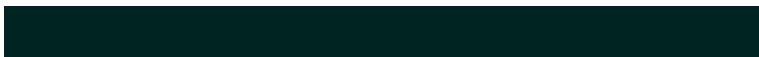
20.6936, 0.1983, 0.2152



12.0522, 0.2994, 0.3308



28.4684, 0.2316, 0.3537



1.3525, 0.2300, 0.3481

Inverse Universe

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



13.5660, 0.5779, 0.3196



21.4421, 0.6303, 0.3259



22.0689, 0.5182, 0.4000



10.6506, 0.3277, 0.3272



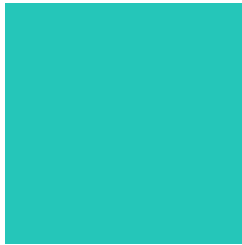
7.8372, 0.6301, 0.3245



0.3760, 0.5980, 0.3068

Previews

White Background



This preview shows how the Yxy color 44.2843, 0.2342, 0.3490 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 44.2843, 0.2342, 0.3490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

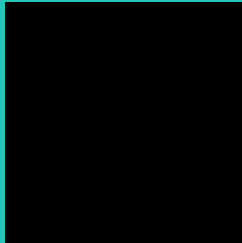
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

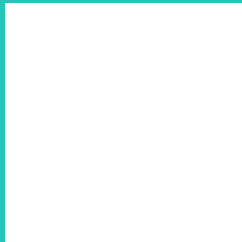
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.2843, 0.2342, 0.3490

Background



This preview shows how black text looks on a background with the Yxy color 44.2843, 0.2342, 0.3490.

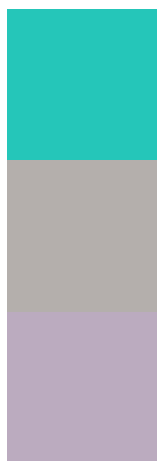


This preview shows how white text looks on a background with the Yxy color 44.2843, 0.2342, 0.3490.

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

44.2843, 0.2342, 0.3490

Protanopia

43.3418, 0.3196, 0.3330

Deuteranopia

43.4522, 0.3104, 0.3033



Tritanopia

44.1066, 0.2257, 0.3053

Trichromacy



Original Color

44.2843, 0.2342, 0.3490



Protanomaly

41.6305, 0.2740, 0.3378



Deuteranomaly

41.6274, 0.2685, 0.3173



Tritanomaly

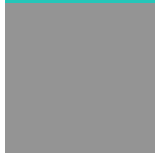
43.9254, 0.2284, 0.3197

Monochromacy



Original Color

44.2843, 0.2342, 0.3490



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

33.0338, 0.2679, 0.3371

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.2843, 0.2342, 0.3490 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(37, 198, 185)` looks like.

```
.text, #text, p{  
    color:rgb(37, 198, 185)  
}
```

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(37, 198, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 198, 185) }
```

Border

The CSS property to change the border of an element to Yxy 44.2843, 0.2342, 0.3490 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(37, 198, 185) }
```

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

```
.border{ border-color:rgb(37, 198, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 198, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(37, 198, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(37, 198, 185); box-shadow:4px 4px 4px 4px rgb(37, 198, 185) }
```


Background

The CSS property to change the background color of an element to Yxy 44.2843, 0.2342, 0.3490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 198, 185) }
```

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

```
.background{ background-color: rgb(37, 198,  
185) }
```

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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