

Converting Colors

Yxy(49.5351, 0.2424, 0.3836)

Have a look what the booklet for
Yxy(49.5351, 0.2424, 0.3836)
contains.

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Color

Yxy(49.4495, 0.2422, 0.3828)

Conversions

Conversions Part 1

Format	Color
Hex	1DD2AF
RGB	29, 210, 175
RGB Percent	11%, 82%, 69%
CMY	0.8867, 0.1764, 0.3138
CMYK	0.86, 0.00, 0.17, 0.18
HSL	168°, 76%, 47%
HSV	168°, 86%, 82%
XYZ	31.2870, 49.4495, 48.4419
YIQ	151.8910, -96.6410, -49.2570

Conversions

Conversions Part 2

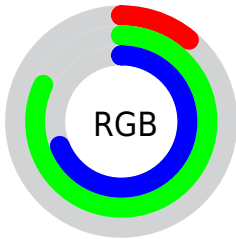
Format	Color
RYB	29, 129, 210
Decimal	1954479
CIELab	75.73, -50.16, 5.47
CIELCh	76, 50.454, 173.770
Yxy	49.4495, 0.2422, 0.3828
Android (android.graphics.Color)	4280144559 (0xFF1DD2AF)
YUV	151.8910, 11.3927, -107.7754
Hunter-Lab	70.3203, -43.6421, 8.3809

Details

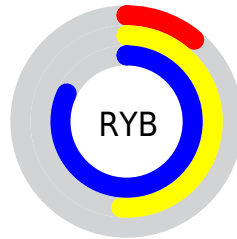
The Yxy color **49.4495, 0.2422, 0.3828** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **14.9460, 0.5686, 0.3042**, and the grayscale version is **31.3184, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6127, 0.2519, 0.3588**, and **24.5413, 0.2427, 0.3936** is the 20% darker color. If you saturate the color by 10%, you get **49.0854, 0.2421, 0.3898**, and if you desaturate by 10%, it is **50.0292, 0.2441, 0.3758**.

Distribution



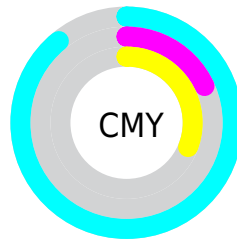
- Red (11%)
- Green (82%)
- Blue (69%)



- Red (11%)
- Yellow (51%)
- Blue (82%)



- Cyan (86%)
- Magenta (0%)
- Yellow (17%)
- Black (18%)




- Cyan (89%)
- Magenta (18%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.4495, 0.2422, 0.3828 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 49.4495, 0.2422, 0.3828 by changing the saturation by 10% instead.

 49.4495, 0.2422,
0.3828

 49.4495, 0.2422,
0.3828


384.5092, 0.2771,
0.3556

 34.9762, 0.2336,
0.3897


 89.3587, 0.2548,
0.3729


 23.6445, 0.2227,
0.3985


 115.5634, 0.2596,
0.3691

 15.0701, 0.2084,
0.4103


 146.4473, 0.2636,
0.3660

 8.8686, 0.1889,
0.4268

 182.3948, 0.2671,
0.3633

 4.6556, 0.1609,
0.4514

 223.7904, 0.2701,
0.3610

 2.0466, 0.1050,
0.4990

271.0184, 0.2727,

 0.6344, 0.0000,

0.3590

0.6732

324.4632, 0.2751,
0.3572

■ 0.0000, 0.0000,
0.0000

■ 49.4495, 0.2422,
0.3828

■ 49.4495, 0.2422,
0.3828

■ 49.0854, 0.2421,
0.3898

■ 50.0292, 0.2441,
0.3758

■ 48.9766, 0.2423,
0.3924

■ 50.8564, 0.2479,
0.3687

■ 51.9625, 0.2537,
0.3618

■ 53.3732, 0.2613,
0.3551

■ 55.1110, 0.2705,
0.3487

■ 57.1963, 0.2810,
0.3427

■ 59.6479, 0.2925,
0.3371

■ 62.4832, 0.3048,
0.3320

■ 65.7185, 0.3176,
0.3273

Harmonies

Analogous

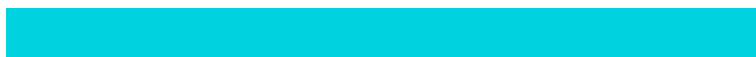
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.4495, 0.3025, 0.4409



49.4495, 0.2422, 0.3828



49.4495, 0.2034, 0.3106

Triad

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



49.4495, 0.2422, 0.3828



49.4495, 0.2481, 0.2246



49.4495, 0.4498, 0.3805

Complementary

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



49.4495, 0.2422, 0.3828



14.9460, 0.5686, 0.3042

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.



49.4495, 0.4349, 0.3285



49.4495, 0.2422, 0.3828



49.4495, 0.3108, 0.2437

Square

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



49.4495, 0.2422, 0.3828



49.4495, 0.2072, 0.2273



49.4495, 0.3814, 0.2804



49.4495, 0.4238, 0.4279

Rectangle

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



49.4495, 0.2422, 0.3828



49.4495, 0.1926, 0.2709



49.4495, 0.3814, 0.2804



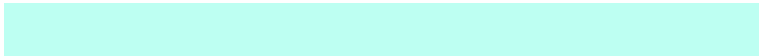
49.4495, 0.4497, 0.3632

Sweetspot

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



49.4514, 0.2422, 0.3828



88.7219, 0.2809, 0.3427



47.3135, 0.3115, 0.5790



18.7343, 0.2771, 0.3448



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.



49.4514, 0.2422, 0.3828



75.9607, 0.2426, 0.3932



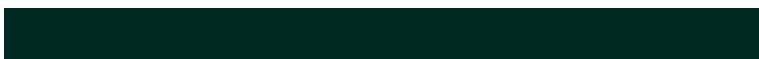
28.5816, 0.2035, 0.2427



13.3662, 0.3008, 0.3335



29.8866, 0.2421, 0.3914



1.6814, 0.2385, 0.3786

Inverse Universe

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



14.9460, 0.5686, 0.3042



21.4845, 0.6132, 0.3152



20.0132, 0.5605, 0.3750



11.8451, 0.3261, 0.3245



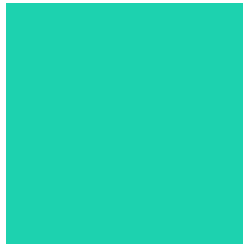
8.4651, 0.6078, 0.3122



0.4846, 0.5572, 0.2843

Previews

White Background



This preview shows how the Yxy color 49.4495, 0.2422, 0.3828 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 49.4495, 0.2422, 0.3828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

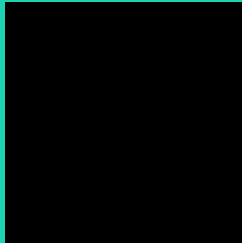
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

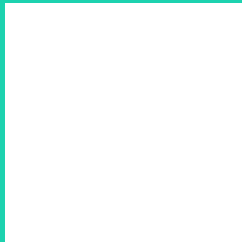
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.4495, 0.2422, 0.3828

Background



This preview shows how black text looks on a background with the Yxy color 49.4495, 0.2422, 0.3828.

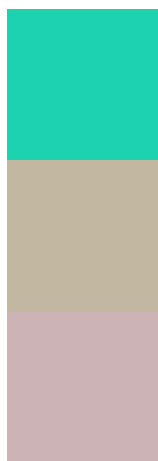


This preview shows how white text looks on a background with the Yxy color 49.4495, 0.2422, 0.3828.

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

49.4495, 0.2422, 0.3828

Protanopia

48.3589, 0.3392, 0.3572

Deuteranopia

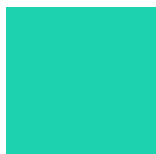
48.4550, 0.3322, 0.3254



Tritanopia

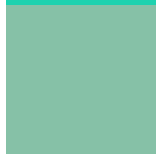
49.5113, 0.2275, 0.3064

Trichromacy



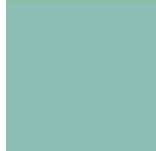
Original Color

49.4495, 0.2422, 0.3828



Protanomaly

45.9983, 0.2860, 0.3667



Deuteranomaly

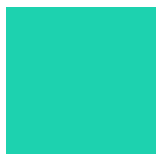
45.6570, 0.2820, 0.3445



Tritanomaly

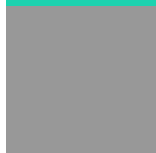
49.2591, 0.2319, 0.3317

Monochromacy



Original Color

49.4495, 0.2422, 0.3828



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

35.5510, 0.2693, 0.3500

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.4495, 0.2422, 0.3828 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(29, 210, 175)` looks like.

```
.text, #text, p{  
    color:rgb(29, 210, 175)  
}
```

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(29, 210, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 210, 175) }
```

Border

The CSS property to change the border of an element to Yxy 49.4495, 0.2422, 0.3828 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(29, 210, 175) }
```

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

```
.border{ border-color:rgb(29, 210, 175) }
```

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

Here you see how a box with a 4 pixel rgb(29, 210, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 210, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 210, 175);  
box-shadow:4px 4px 4px 4px rgb(29, 210,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 49.4495, 0.2422, 0.3828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 210, 175) }
```

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

```
.background{ background-color: rgb(29, 210,  
175) }
```

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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