

Converting Colors

$Yxy(52.5914, 0.2423, 0.3923)$

Have a look what the booklet for
Yxy(52.5914, 0.2423, 0.3923)
contains.

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Color

Yxy(52.7209, 0.2424, 0.3926)

Conversions

Conversions Part 1

Format	Color
Hex	00D9AF
RGB	0, 217, 175
RGB Percent	0%, 85%, 69%
CMY	0.9995, 0.1490, 0.3137
CMYK	1.00, 0.00, 0.19, 0.15
HSL	168°, 100%, 43%
HSV	168°, 100%, 85%
XYZ	32.5511, 52.7209, 49.0146
YIQ	147.3290, -115.8500, -59.0660

Conversions

Conversions Part 2

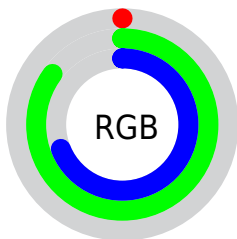
Format	Color
RYB	0, 120, 217
Decimal	55727
CIELab	77.71, -54.10, 8.29
CIELCh	78, 54.733, 171.289
Yxy	52.7209, 0.2424, 0.3926
Android (android.graphics.Color)	4278245807 (0xFF00D9AF)
YUV	147.3290, 13.6418, -129.2075
Hunter-Lab	72.6092, -47.0436, 10.8029

Details

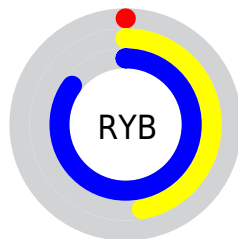
The Yxy color **52.7209, 0.2424, 0.3926** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **14.9229, 0.6111, 0.3141**, and the grayscale version is **29.3155, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3537, 0.2499, 0.3577**, and **26.9198, 0.2461, 0.4059** is the 20% darker color. If you saturate the color by 10%, you get **52.7212, 0.2424, 0.3926**, and if you desaturate by 10%, it is **53.0585, 0.2420, 0.3856**.

Distribution



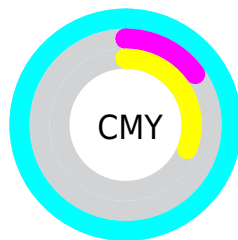
- Red (0%)
- Green (85%)
- Blue (69%)



- Red (0%)
- Yellow (47%)
- Blue (85%)



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (15%)



- Cyan (100%)
- Magenta (15%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.7209, 0.2424, 0.3926 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 52.7209, 0.2424, 0.3926 by changing the saturation by 10% instead.


 52.7209, 0.2424,
0.3926

 52.7209, 0.2424,
0.3926


397.2134, 0.2771,
0.3605


 37.5800, 0.2339,
0.4007


 94.1935, 0.2549,
0.3809


 25.6569, 0.2232,
0.4111


 121.2941, 0.2596,
0.3765

 16.5671, 0.2092,
0.4251

 153.1500, 0.2636,
0.3728

 9.9264, 0.1901,
0.4445

 190.1456, 0.2670,
0.3696

 5.3502, 0.1630,
0.4735

 232.6654, 0.2700,
0.3668

 2.4541, 0.1160,
0.5243

281.0937, 0.2727,

 0.8535, 0.0000,

0.3644

0.7093

335.8149, 0.2750,
0.3623

■ 0.0000, 0.0000,
0.0000

■ 52.7209, 0.2424,
0.3926

■ 52.7209, 0.2424,
0.3926

■ 52.7212, 0.2424,
0.3926

■ 53.0585, 0.2420,
0.3856

■ 53.5878, 0.2432,
0.3786

■ 54.3725, 0.2463,
0.3715

■ 55.4470, 0.2513,
0.3645

■ 56.8406, 0.2582,
0.3577

■ 58.5789, 0.2669,
0.3511

■ 60.6847, 0.2769,
0.3449

■ 63.1790, 0.2881,
0.3391

■ 66.0812, 0.3002,
0.3338

Harmonies

Analogous

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



52.7209, 0.3072, 0.4519



52.7209, 0.2424, 0.3926



52.7209, 0.1996, 0.3149

Triad

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



52.7209, 0.2424, 0.3926



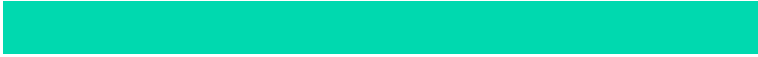
52.7209, 0.2398, 0.2185



52.7209, 0.4584, 0.3778

Complementary

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



52.7209, 0.2424, 0.3926



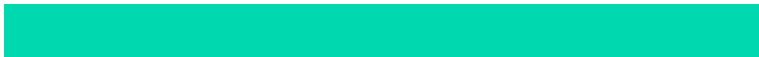
14.9229, 0.6111, 0.3141

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.



52.7209, 0.4391, 0.3234



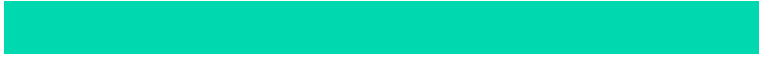
52.7209, 0.2424, 0.3926



52.7209, 0.3043, 0.2368

Square

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



52.7209, 0.2424, 0.3926



52.7209, 0.1992, 0.2231



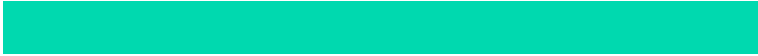
52.7209, 0.3796, 0.2739



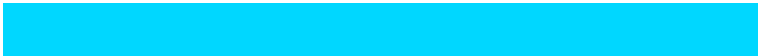
52.7209, 0.4334, 0.4291

Rectangle

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



52.7209, 0.2424, 0.3926



52.7209, 0.1870, 0.2715



52.7209, 0.3796, 0.2739



52.7209, 0.4571, 0.3596

Sweetspot

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



52.7229, 0.2424, 0.3926



87.3464, 0.2765, 0.3451



50.1519, 0.3064, 0.5949



18.4067, 0.2721, 0.3477



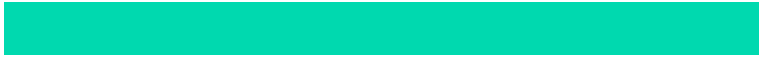
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



52.7229, 0.2424, 0.3926



75.9572, 0.2426, 0.3933



27.4473, 0.1964, 0.2271



14.7841, 0.3008, 0.3336



31.9287, 0.2421, 0.3916



2.0798, 0.2389, 0.3802

Inverse Universe

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



14.9229, 0.6111, 0.3141



21.4851, 0.6131, 0.3151



18.5545, 0.5978, 0.3635



13.0925, 0.3261, 0.3245



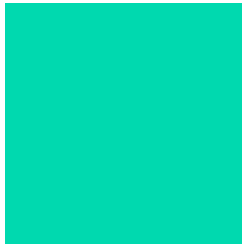
9.0430, 0.6082, 0.3124



0.5980, 0.5635, 0.2878

Previews

White Background



This preview shows how the Yxy color 52.7209, 0.2424, 0.3926 looks on a white background.

Color Contrast Check

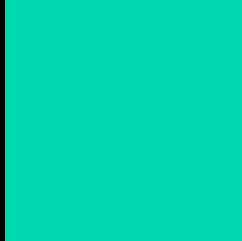
Large Text (above 18pt) WCAG AA × Fail

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 52.7209, 0.2424, 0.3926 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

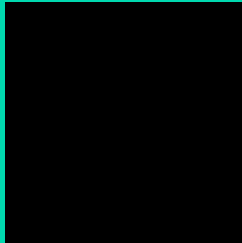
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

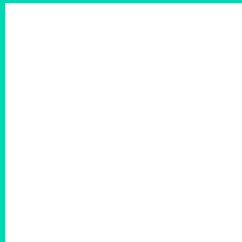
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.7209, 0.2424, 0.3926

Background



This preview shows how black text looks on a background with the Yxy color 52.7209, 0.2424, 0.3926.



This preview shows how white text looks on a background with the Yxy color 52.7209, 0.2424, 0.3926.

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

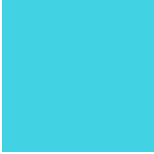
52.7209, 0.2424, 0.3926

Protanopia

51.8176, 0.3449, 0.3652

Deuteranopia

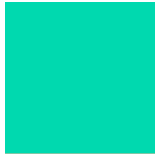
51.6554, 0.3384, 0.3315



Tritanopia

52.7631, 0.2264, 0.3056

Trichromacy



Original Color

52.7209, 0.2424, 0.3926



Protanomaly

48.6509, 0.2833, 0.3782



Deuteranomaly

47.8854, 0.2792, 0.3530



Tritanomaly

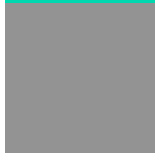
52.6140, 0.2304, 0.3359

Monochromacy



Original Color

52.7209, 0.2424, 0.3926



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

34.3191, 0.2625, 0.3540

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.7209, 0.2424, 0.3926 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, 217, 175)` looks like.

```
.text, #text, p{  
    color:rgb(0, 217, 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(0, 217, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 217, 175) }
```

Border

The CSS property to change the border of an element to Yxy 52.7209, 0.2424, 0.3926 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, 217, 175) }
```

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

```
.border{ border-color:rgb(0, 217, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 217, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 217, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 217, 175); box-shadow:4px 4px 4px 4px rgb(0, 217, 175) }
```


Background

The CSS property to change the background color of an element to Yxy 52.7209, 0.2424, 0.3926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 217, 175) }
```

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

```
.background{ background-color: rgb(0, 217,  
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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