

Converting Colors

$Y_{xy}(43.3297, 0.1418, 0.3562)$

Have a look what the booklet for
Yxy(43.3297, 0.1418, 0.3562)
contains.

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Color

Yxy(52.1704, 0.2312, 0.3523)

Conversions

Conversions Part 1

Format	Color
Hex	00D6C6
RGB	0, 214, 198
RGB Percent	0%, 84%, 78%
CMY	0.9999, 0.1608, 0.2236
CMYK	1.00, 0.00, 0.07, 0.16
HSL	176°, 100%, 42%
HSV	176°, 100%, 84%
XYZ	34.2373, 52.1704, 61.6775
YIQ	148.1900, -122.4080, -50.3440

Conversions

Conversions Part 2

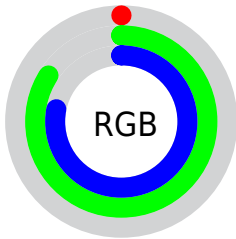
Format	Color
RYB	0, 111, 214
Decimal	54982
CIELab	77.38, -46.75, -4.48
CIELCh	77, 46.965, 185.471
Yxy	52.1704, 0.2312, 0.3523
Android (android.graphics.Color)	4278245062 (0xFF00D6C6)
YUV	148.1900, 24.5563, -129.9626
Hunter-Lab	72.2291, -41.7902, -0.0682

Details

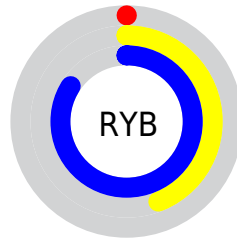
The Yxy color **52.1704, 0.2312, 0.3523** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **14.3350, 0.6331, 0.3261**, and the grayscale version is **29.6345, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9281, 0.2408, 0.3288**, and **26.4673, 0.2323, 0.3562** is the 20% darker color. If you saturate the color by 10%, you get **52.1722, 0.2312, 0.3523**, and if you desaturate by 10%, it is **52.4107, 0.2319, 0.3498**.

Distribution



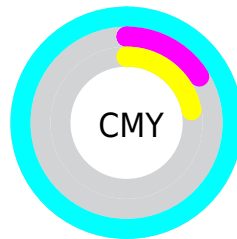
- Red (0%)
- Green (84%)
- Blue (78%)



- Red (0%)
- Yellow (44%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (16%)




- Cyan (100%)
- Magenta (16%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.1704, 0.2312, 0.3523 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 52.1704, 0.2312, 0.3523 by changing the saturation by 10% instead.


 52.1704, 0.2312,
0.3523


 52.1704, 0.2312,
0.3523


395.0941, 0.2704,
0.3416

 37.1409, 0.2219,
0.3547


 93.3825, 0.2451,
0.3486


 25.3166, 0.2103,
0.3575


 120.3339, 0.2504,
0.3472


 16.3131, 0.1954,
0.3611


 152.0281, 0.2549,
0.3459

 9.7460, 0.1757,
0.3654

 188.8494, 0.2589,
0.3449

 5.2309, 0.1487,
0.3707

 231.1822, 0.2623,
0.3439

 2.3833, 0.1088,
0.3771

279.4111, 0.2653,

 0.8173, 0.0000,

0.3430

0.4005

333.9202, 0.2680,
0.3423

■ 0.0000, 0.0000,
0.0000

■ 52.1704, 0.2312,
0.3523

■ 52.1704, 0.2312,
0.3523

■ 52.1722, 0.2312,
0.3523

■ 52.4107, 0.2319,
0.3498

■ 52.8315, 0.2340,
0.3473

■ 53.4951, 0.2380,
0.3447

■ 54.4350, 0.2439,
0.3422

■ 55.6792, 0.2517,
0.3397

■ 57.2524, 0.2613,
0.3373

■ 59.1767, 0.2725,
0.3350

■ 61.4725, 0.2849,
0.3328

■ 64.1583, 0.2985,
0.3308

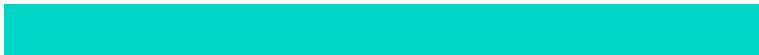
Harmonies

Analogous

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



52.1704, 0.2807, 0.4136



52.1704, 0.2312, 0.3523



52.1704, 0.2045, 0.2903

Triad

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



52.1704, 0.2312, 0.3523



52.1704, 0.2741, 0.2369



52.1704, 0.4335, 0.3957

Complementary

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



52.1704, 0.2312, 0.3523



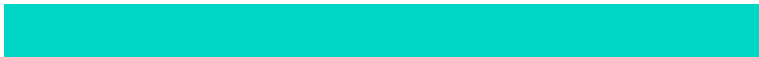
14.3350, 0.6331, 0.3261

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.



52.1704, 0.4345, 0.3482



52.1704, 0.2312, 0.3523



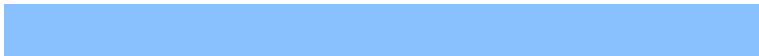
52.1704, 0.3367, 0.2617

Square

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



52.1704, 0.2312, 0.3523



52.1704, 0.2273, 0.2314



52.1704, 0.3978, 0.3010



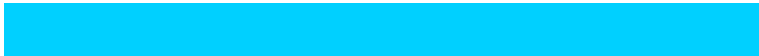
52.1704, 0.3982, 0.4332

Rectangle

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



52.1704, 0.2312, 0.3523



52.1704, 0.2010, 0.2596



52.1704, 0.3978, 0.3010



52.1704, 0.4381, 0.3803

Sweetspot

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



52.1724, 0.2312, 0.3523



87.9007, 0.2721, 0.3351



48.2232, 0.3016, 0.5987



18.5410, 0.2672, 0.3360



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.



52.1724, 0.2312, 0.3523



77.5704, 0.2313, 0.3525



19.4836, 0.1847, 0.1850



14.0911, 0.2993, 0.3307



31.5396, 0.2311, 0.3519



1.9072, 0.2299, 0.3476

Inverse Universe

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



14.3350, 0.6331, 0.3261



21.3074, 0.6341, 0.3267



21.4720, 0.5665, 0.3884



12.4357, 0.3279, 0.3273



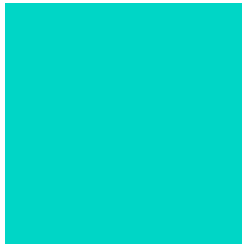
8.6696, 0.6313, 0.3252



0.5283, 0.6059, 0.3111

Previews

White Background



This preview shows how the Yxy color 52.1704, 0.2312, 0.3523 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 52.1704, 0.2312, 0.3523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

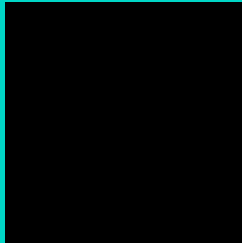
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

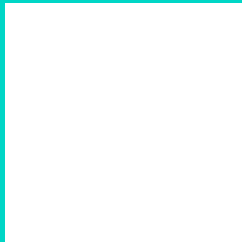
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.1704, 0.2312, 0.3523

Background



This preview shows how black text looks on a background with the Yxy color 52.1704, 0.2312, 0.3523.

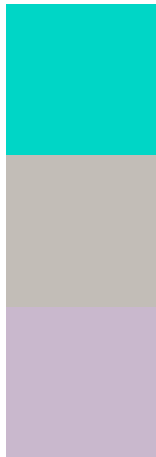


This preview shows how white text looks on a background with the Yxy color 52.1704, 0.2312, 0.3523.

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

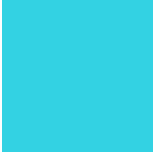
52.1704, 0.2312, 0.3523

Protanopia

51.2834, 0.3215, 0.3365

Deuteranopia

51.1063, 0.3106, 0.3038



Tritanopia

52.3430, 0.2233, 0.3054

Trichromacy



Original Color

52.1704, 0.2312, 0.3523



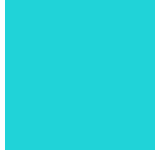
Protanomaly

48.2300, 0.2663, 0.3431



Deuteranomaly

47.8837, 0.2605, 0.3192



Tritanomaly

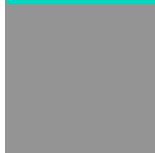
51.8535, 0.2251, 0.3217

Monochromacy



Original Color

52.1704, 0.2312, 0.3523



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

34.6379, 0.2567, 0.3387

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.1704, 0.2312, 0.3523 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, 214, 198)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 198)  
}
```

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, 214, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 198) }
```

Border

The CSS property to change the border of an element to Yxy 52.1704, 0.2312, 0.3523 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, 214, 198) }
```

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

```
.border{ border-color:rgb(0, 214, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 214, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 198);  
box-shadow:4px 4px 4px 4px rgb(0, 214,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 52.1704, 0.2312, 0.3523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 214, 198) }
```

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

```
.background{ background-color: rgb(0, 214,  
198) }
```

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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