

Converting Colors

$Yxy(51.9351, 0.2462, 0.3629)$

Have a look what the booklet for
Yxy(51.9351, 0.2462, 0.3629)
contains.

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Color

Yxy(52.0955, 0.2465, 0.3639)

Conversions

Conversions Part 1

Format	Color
Hex	48D4BC
RGB	72, 212, 188
RGB Percent	28%, 83%, 74%
CMY	0.7180, 0.1686, 0.2627
CMYK	0.66, 0.00, 0.11, 0.17
HSL	170°, 62%, 56%
HSV	170°, 66%, 83%
XYZ	35.2887, 52.0955, 55.7747
YIQ	167.4040, -75.7360, -37.1440

Conversions

Conversions Part 2

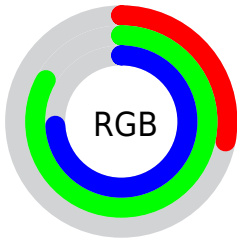
Format	Color
RYB	72, 149, 212
Decimal	4773052
CIELab	77.34, -42.95, 0.90
CIELCh	77, 42.963, 178.797
Yxy	52.0955, 0.2465, 0.3639
Android (android.graphics.Color)	4282963132 (0xFF48D4BC)
YUV	167.4040, 10.1538, -83.6693
Hunter-Lab	72.1772, -39.0385, 4.7079

Details

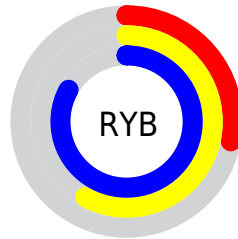
The Yxy color **52.0955, 0.2465, 0.3639** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted spring green. A complement of this color would be **19.4661, 0.4920, 0.3033**, and the grayscale version is **38.8186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2859, 0.2552, 0.3415**, and **25.8632, 0.2369, 0.3730** is the 20% darker color. If you saturate the color by 10%, you get **51.2647, 0.2425, 0.3701**, and if you desaturate by 10%, it is **53.2150, 0.2525, 0.3578**.

Distribution



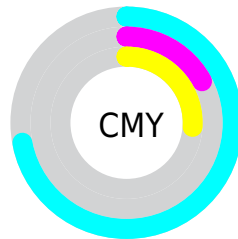
- Red (28%)
- Green (83%)
- Blue (74%)



- Red (28%)
- Yellow (58%)
- Blue (83%)



- Cyan (66%)
- Magenta (0%)
- Yellow (11%)
- Black (17%)




- Cyan (72%)
- Magenta (17%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.0955, 0.2465, 0.3639 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 52.0955, 0.2465, 0.3639 by changing the saturation by 10% instead.


 52.0955, 0.2465,
0.3639


 52.0955, 0.2465,
0.3639


394.8052, 0.2788,
0.3468

 37.0812, 0.2387,
0.3680


 93.2721, 0.2580,
0.3578

 25.2704, 0.2289,
0.3733

 120.2031, 0.2624,
0.3555

 16.2786, 0.2162,
0.3801


 151.8752, 0.2661,
0.3535

 9.7215, 0.1990,
0.3894

 188.6728, 0.2694,
0.3518

 5.2147, 0.1747,
0.4026

230.9801, 0.2722,
0.3503

 2.3738, 0.1382,
0.4228

279.1817, 0.2746,

 0.8124, 0.0000,

0.3490

0.4972

333.6619, 0.2768,
0.3479

0.0000, 0.0000,
0.0000

52.0955, 0.2465,
0.3639

52.0955, 0.2465,
0.3639

51.2647, 0.2425,
0.3701

53.2150, 0.2525,
0.3578

50.6861, 0.2404,
0.3762

54.6432, 0.2603,
0.3519

50.3241, 0.2401,
0.3823

56.4052, 0.2697,
0.3463

50.2138, 0.2402,
0.3847

58.5219, 0.2804,
0.3410

61.0124, 0.2922,
0.3361

63.8944, 0.3048,
0.3315

67.1847, 0.3179,
0.3274

70.8989, 0.3312,
0.3238

73.5563, 0.3388,
0.3203

Harmonies

Analogous

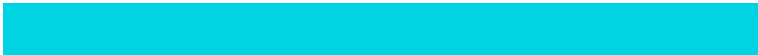
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



52.0955, 0.2959, 0.4150



52.0955, 0.2465, 0.3639



52.0955, 0.2163, 0.3055

Triad

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



52.0955, 0.2465, 0.3639



52.0955, 0.2662, 0.2409



52.0955, 0.4268, 0.3821

Complementary

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



52.0955, 0.2465, 0.3639



19.4661, 0.4920, 0.3033

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.



52.0955, 0.4195, 0.3374



52.0955, 0.2465, 0.3639



52.0955, 0.3216, 0.2603

Square

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



52.0955, 0.2465, 0.3639



52.0955, 0.2270, 0.2405



52.0955, 0.3795, 0.2945



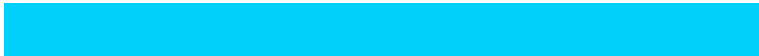
52.0955, 0.4011, 0.4191

Rectangle

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



52.0955, 0.2465, 0.3639



52.0955, 0.2093, 0.2740



52.0955, 0.3795, 0.2945



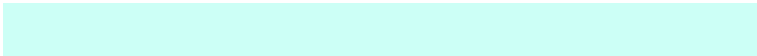
52.0955, 0.4283, 0.3675

Sweetspot

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



52.0975, 0.2465, 0.3639



91.0272, 0.2872, 0.3381



50.1333, 0.3158, 0.5329



19.2556, 0.2839, 0.3395



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.



52.0975, 0.2465, 0.3639



77.4848, 0.2414, 0.3724



34.0041, 0.2194, 0.2619



14.0696, 0.3005, 0.3330



31.0094, 0.2400, 0.3839



1.8802, 0.2370, 0.3733

Inverse Universe

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



19.4661, 0.4920, 0.3033



24.5624, 0.5502, 0.3051



27.0212, 0.4864, 0.3799



12.4552, 0.3264, 0.3250



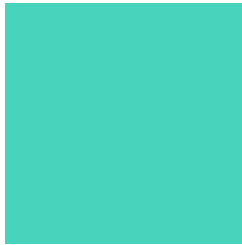
8.7312, 0.6135, 0.3153



0.5375, 0.5682, 0.2904

Previews

White Background



This preview shows how the Yxy color 52.0955, 0.2465, 0.3639 looks on a white background.

Color Contrast Check

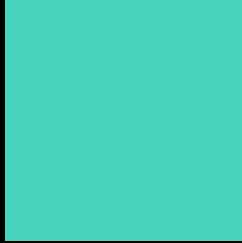
Large Text (above 18pt) WCAG AA × Fail

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 52.0955, 0.2465, 0.3639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

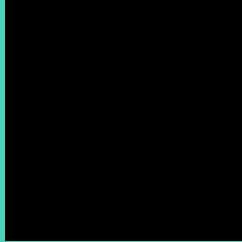
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

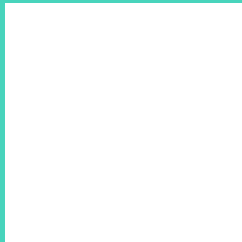
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.0955, 0.2465, 0.3639

Background



This preview shows how black text looks on a background with the Yxy color 52.0955, 0.2465, 0.3639.

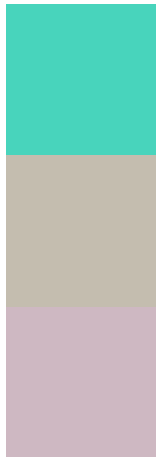


This preview shows how white text looks on a background with the Yxy color 52.0955, 0.2465, 0.3639.

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

52.0955, 0.2465, 0.3639

Protanopia

51.2261, 0.3295, 0.3466

Deuteranopia

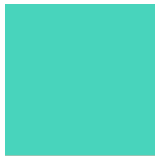
51.2978, 0.3234, 0.3170



Tritanopia

52.0822, 0.2336, 0.3057

Trichromacy



Original Color

52.0955, 0.2465, 0.3639



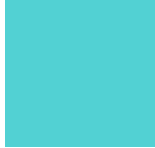
Protanomaly

49.8071, 0.2897, 0.3522



Deuteranomaly

49.5574, 0.2858, 0.3316



Tritanomaly

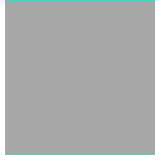
52.0979, 0.2380, 0.3260

Monochromacy



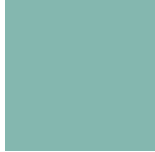
Original Color

52.0955, 0.2465, 0.3639



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

41.8677, 0.2782, 0.3407

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.0955, 0.2465, 0.3639 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(72, 212, 188)` looks like.

```
.text, #text, p{  
    color:rgb(72, 212, 188)  
}
```

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(72, 212, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 212, 188) }
```

Border

The CSS property to change the border of an element to Yxy 52.0955, 0.2465, 0.3639 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(72, 212, 188) }
```

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

```
.border{ border-color:rgb(72, 212, 188) }
```

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

Here you see how a box with a 4 pixel rgb(72, 212, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 212, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 212, 188);  
box-shadow:4px 4px 4px 4px rgb(72, 212,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 52.0955, 0.2465, 0.3639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 212, 188) }
```

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

```
.background{ background-color: rgb(72, 212,  
188) }
```

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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