

Converting Colors

$Yxy(52.9034, 0.2431, 0.3475)$

Have a look what the booklet for
Yxy(52.9034, 0.2431, 0.3475)
contains.

Yxy(52.8302, 0.2432, 0.3473)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(52.8302, 0.2432, 0.3473)

Conversions

Conversions Part 1

Format	Color
Hex	4ED4C7
RGB	78, 212, 199
RGB Percent	31%, 83%, 78%
CMY	0.6942, 0.1686, 0.2195
CMYK	0.63, 0.00, 0.06, 0.17
HSL	174°, 61%, 57%
HSV	174°, 63%, 83%
XYZ	36.9948, 52.8302, 62.2919
YIQ	170.4520, -75.6910, -32.4510

Conversions

Conversions Part 2

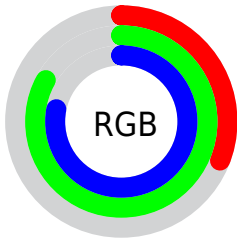
Format	Color
RYB	78, 148, 212
Decimal	5166279
CIELab	77.77, -39.14, -4.35
CIELCh	78, 39.376, 186.342
Yxy	52.8302, 0.2432, 0.3473
Android (android.graphics.Color)	4283356359 (0xFF4ED4C7)
YUV	170.4520, 14.0742, -81.0804
Hunter-Lab	72.6844, -36.3449, 0.0664

Details

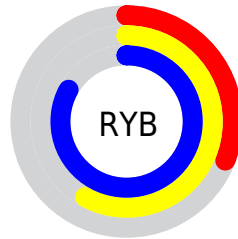
The Yxy color **52.8302, 0.2432, 0.3473** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **20.1994, 0.4957, 0.3152**, and the grayscale version is **40.3923, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4027, 0.2524, 0.3288**, and **26.1583, 0.2312, 0.3523** is the 20% darker color. If you saturate the color by 10%, you get **51.9819, 0.2381, 0.3506**, and if you desaturate by 10%, it is **53.9724, 0.2503, 0.3440**.

Distribution



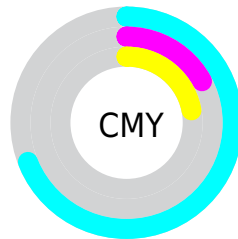
- Red (31%)
- Green (83%)
- Blue (78%)



- Red (31%)
- Yellow (58%)
- Blue (83%)



- Cyan (63%)
- Magenta (0%)
- Yellow (6%)
- Black (17%)




- Cyan (69%)
- Magenta (17%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.8302, 0.2432, 0.3473 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 52.8302, 0.2432, 0.3473 by changing the saturation by 10% instead.

 52.8302, 0.2432,
0.3473


 52.8302, 0.2432,
0.3473


397.6333, 0.2767,
0.3389

 37.6672, 0.2352,
0.3492


 94.3545, 0.2551,
0.3444


 25.7245, 0.2253,
0.3514


 121.4846, 0.2596,
0.3433

 16.6177, 0.2124,
0.3543

 153.3725, 0.2635,
0.3423

 9.9623, 0.1952,
0.3578

 190.4026, 0.2669,
0.3414

 5.3740, 0.1714,
0.3621

232.9594, 0.2698,
0.3407

 2.4683, 0.1364,
0.3672

281.4272, 0.2724,

 0.8607, 0.0000,

0.3400

0.4042

336.1903, 0.2746,
0.3394

0.0000, 0.0000,
0.0000

52.8302, 0.2432,
0.3473

52.8302, 0.2432,
0.3473

51.9819, 0.2381,
0.3506

53.9724, 0.2503,
0.3440

51.3924, 0.2348,
0.3540

55.4274, 0.2591,
0.3408

51.0290, 0.2334,
0.3573

57.2196, 0.2696,
0.3378

50.8707, 0.2332,
0.3595

59.3694, 0.2815,
0.3349

61.8954, 0.2944,
0.3322

■ 64.8151, 0.3082,
0.3297

■ 68.1447, 0.3224,
0.3275

■ 71.8997, 0.3370,
0.3255

■ 73.3846, 0.3411,
0.3235

Harmonies

Analogous

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



52.8302, 0.2852, 0.3972



52.8302, 0.2432, 0.3473



52.8302, 0.2204, 0.2963

Triad

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



52.8302, 0.2432, 0.3473



52.8302, 0.2820, 0.2507



52.8302, 0.4138, 0.3881

Complementary

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



52.8302, 0.2432, 0.3473



20.1994, 0.4957, 0.3152

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.



52.8302, 0.4148, 0.3479



52.8302, 0.2432, 0.3473



52.8302, 0.3348, 0.2726

Square

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



52.8302, 0.2432, 0.3473



52.8302, 0.2413, 0.2458



52.8302, 0.3850, 0.3070



52.8302, 0.3843, 0.4177

Rectangle

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



52.8302, 0.2432, 0.3473



52.8302, 0.2175, 0.2703



52.8302, 0.3850, 0.3070



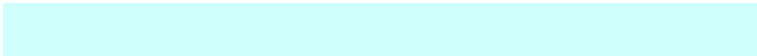
52.8302, 0.4176, 0.3753

Sweetspot

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



52.8322, 0.2432, 0.3473



91.6420, 0.2865, 0.3338



49.8824, 0.3099, 0.5282



19.3866, 0.2829, 0.3346



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.



52.8322, 0.2432, 0.3473



78.5877, 0.2367, 0.3518



30.9622, 0.2184, 0.2475



14.0862, 0.2995, 0.3312



31.4123, 0.2331, 0.3590



1.9008, 0.2315, 0.3533

Inverse Universe

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



20.1994, 0.4957, 0.3152



25.1977, 0.5569, 0.3163



30.9400, 0.4654, 0.3921



12.4402, 0.3276, 0.3268



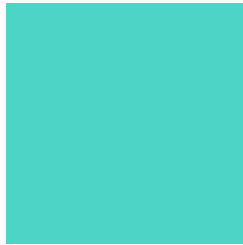
8.6802, 0.6282, 0.3234



0.5304, 0.5967, 0.3061

Previews

White Background



This preview shows how the Yxy color 52.8302, 0.2432, 0.3473 looks on a white background.

Color Contrast Check

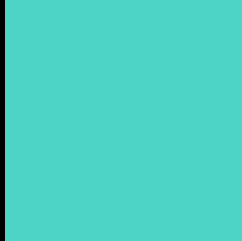
Large Text (above 18pt) WCAG AA × Fail

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 52.8302, 0.2432, 0.3473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

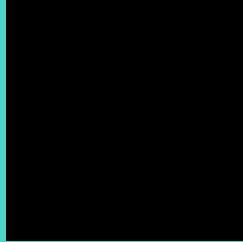
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

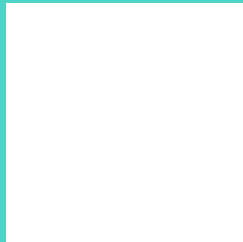
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.8302, 0.2432, 0.3473

Background



This preview shows how black text looks on a background with the Yxy color 52.8302, 0.2432, 0.3473.

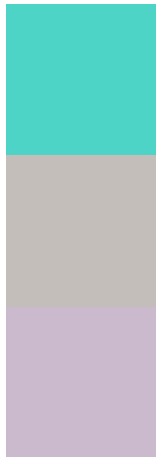


This preview shows how white text looks on a background with the Yxy color 52.8302, 0.2432, 0.3473.

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

52.8302, 0.2432, 0.3473

Protanopia

51.9742, 0.3199, 0.3340

Deuteranopia

51.8022, 0.3122, 0.3051



Tritanopia

52.7217, 0.2342, 0.3059

Trichromacy



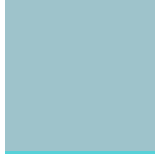
Original Color

52.8302, 0.2432, 0.3473



Protanomaly

50.8252, 0.2832, 0.3383



Deuteranomaly

50.6111, 0.2793, 0.3184



Tritanomaly

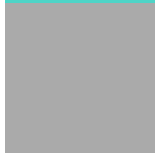
52.5372, 0.2371, 0.3191

Monochromacy



Original Color

52.8302, 0.2432, 0.3473



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

43.3525, 0.2779, 0.3347

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.8302, 0.2432, 0.3473 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(78, 212, 199)` looks like.

```
.text, #text, p{  
    color:rgb(78, 212, 199)  
}
```

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(78, 212, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 212, 199) }
```

Border

The CSS property to change the border of an element to Yxy 52.8302, 0.2432, 0.3473 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(78, 212, 199) }
```

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

```
.border{ border-color:rgb(78, 212, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 212, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 212, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 212, 199);  
box-shadow:4px 4px 4px 4px rgb(78, 212,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 52.8302, 0.2432, 0.3473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 212, 199) }
```

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

```
.background{ background-color: rgb(78, 212,  
199) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor