

Converting Colors

$Y_{xy}(42.7473, 0.2386, 0.3415)$

Have a look what the booklet for
Yxy(42.7473, 0.2386, 0.3415)
contains.

Yxy(42.6668, 0.2384, 0.3412)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.6668, 0.2384, 0.3412)

Conversions

Conversions Part 1

Format	Color
Hex	3EC1B9
RGB	62, 193, 185
RGB Percent	24%, 76%, 73%
CMY	0.7571, 0.2431, 0.2745
CMYK	0.68, 0.00, 0.04, 0.24
HSL	176°, 51%, 50%
HSV	176°, 68%, 76%
XYZ	29.8117, 42.6668, 52.5707
YIQ	152.9190, -75.5080, -30.2600

Conversions

Conversions Part 2

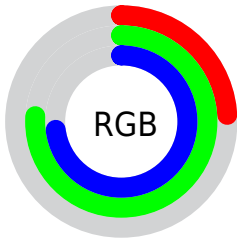
Format	Color
RYB	62, 130, 193
Decimal	4112825
CIELab	71.33, -36.70, -6.33
CIELCh	71, 37.239, 189.794
Yxy	42.6668, 0.2384, 0.3412
Android (android.graphics.Color)	4282302905 (0xFF3EC1B9)
YUV	152.9190, 15.8159, -79.7360
Hunter-Lab	65.3198, -32.8429, -1.9939

Details

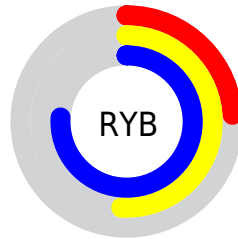
The Yxy color **42.6668, 0.2384, 0.3412** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted spring green. A complement of this color would be **15.2189, 0.5230, 0.3207**, and the grayscale version is **31.7672, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2341, 0.2519, 0.3394**, and **20.1312, 0.2289, 0.3439** is the 20% darker color. If you saturate the color by 10%, you get **42.1025, 0.2339, 0.3432**, and if you desaturate by 10%, it is **43.4562, 0.2448, 0.3392**.

Distribution



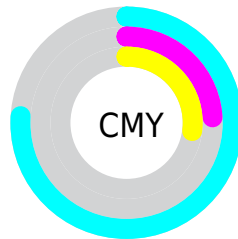
- Red (24%)
- Green (76%)
- Blue (73%)



- Red (24%)
- Yellow (51%)
- Blue (76%)



- Cyan (68%)
- Magenta (0%)
- Yellow (4%)
- Black (24%)





- Cyan (76%)
- Magenta (24%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.6668, 0.2384, 0.3412 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 42.6668, 0.2384, 0.3412 by changing the saturation by 10% instead.


 42.6668, 0.2384,
0.3412

 42.6668, 0.2384,
0.3412

357.2397, 0.2754,
0.3358


 29.6238, 0.2293,
0.3423


 79.2078, 0.2518,
0.3394

 19.5532, 0.2177,
0.3436


 103.4746, 0.2568,
0.3387


 12.0707, 0.2024,
0.3450


 132.2514, 0.2611,
0.3381

 6.7918, 0.1816,
0.3464

 165.9226, 0.2647,
0.3375

 3.3323, 0.1518,
0.3472

 204.8727, 0.2679,
0.3370

 1.3076, 0.0804,
0.3551

249.4859, 0.2707,

 0.1470, 0.0000,

0.3366

0.1961

300.1468, 0.2732,
0.3362

■ 0.0000, 0.0000,
0.0000

■ 42.6668, 0.2384,
0.3412

■ 42.6668, 0.2384,
0.3412

■ 42.1025, 0.2339,
0.3432

■ 43.4562, 0.2448,
0.3392

■ 41.7337, 0.2312,
0.3453

■ 44.4869, 0.2531,
0.3372

■ 41.5249, 0.2301,
0.3473

■ 45.7792, 0.2632,
0.3353

■ 41.4886, 0.2299,
0.3477

■ 47.3499, 0.2747,
0.3335

■ 49.2144, 0.2875,
0.3317

■ 51.3870, 0.3013,
0.3302

■ 53.8811, 0.3158,
0.3287

■ 56.7093, 0.3307,
0.3274

■ 59.8833, 0.3458,
0.3262

Harmonies

Analogous

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



42.6668, 0.2791, 0.3933



42.6668, 0.2384, 0.3412



42.6668, 0.2178, 0.2905

Triad

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



42.6668, 0.2384, 0.3412



42.6668, 0.2873, 0.2514



42.6668, 0.4132, 0.3930

Complementary

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



42.6668, 0.2384, 0.3412



15.2189, 0.5230, 0.3207

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.



42.6668, 0.4179, 0.3529



42.6668, 0.2384, 0.3412



42.6668, 0.3415, 0.2753

Square

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



42.6668, 0.2384, 0.3412



42.6668, 0.2441, 0.2443



42.6668, 0.3910, 0.3112



42.6668, 0.3804, 0.4212

Rectangle

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



42.6668, 0.2384, 0.3412



42.6668, 0.2167, 0.2658



42.6668, 0.3910, 0.3112



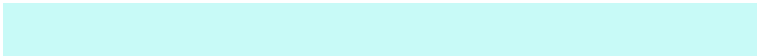
42.6668, 0.4183, 0.3804

Sweetspot

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



42.6684, 0.2384, 0.3412



87.2837, 0.2843, 0.3321



39.8175, 0.3068, 0.5426



18.5185, 0.2807, 0.3326



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



42.6684, 0.2384, 0.3412



75.0720, 0.2325, 0.3441



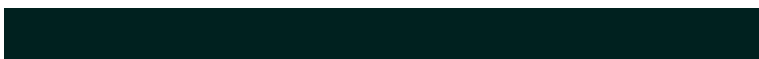
22.5412, 0.2114, 0.2331



11.4175, 0.2992, 0.3304



27.5972, 0.2298, 0.3474



1.1957, 0.2286, 0.3429

Inverse Universe

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



15.2189, 0.5230, 0.3207



22.7016, 0.5858, 0.3225



24.8168, 0.4744, 0.4001



10.0876, 0.3280, 0.3276



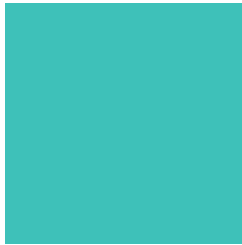
7.5622, 0.6325, 0.3258



0.3302, 0.6060, 0.3112

Previews

White Background



This preview shows how the Yxy color 42.6668, 0.2384, 0.3412 looks on a white background.

Color Contrast Check

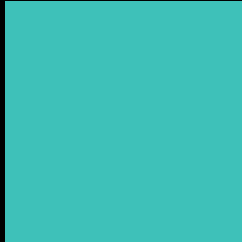
Large Text (above 18pt) WCAG AA × Fail

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 42.6668, 0.2384, 0.3412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

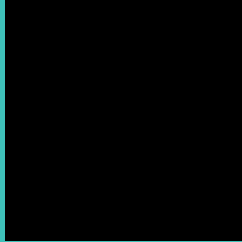
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

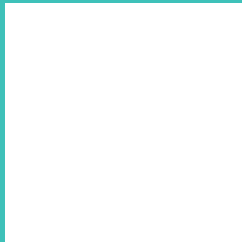
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.6668, 0.2384, 0.3412

Background



This preview shows how black text looks on a background with the Yxy color 42.6668, 0.2384, 0.3412.

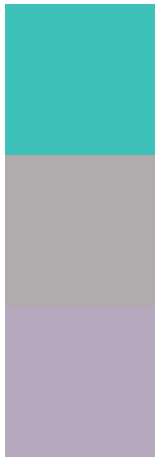


This preview shows how white text looks on a background with the Yxy color 42.6668, 0.2384, 0.3412.

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

42.6668, 0.2384, 0.3412

Protanopia

41.7523, 0.3155, 0.3277

Deuteranopia

42.0387, 0.3069, 0.3016



Tritanopia

42.6512, 0.2313, 0.3066

Trichromacy



Original Color

42.6668, 0.2384, 0.3412



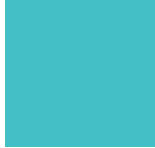
Protanomaly

40.9677, 0.2786, 0.3333



Deuteranomaly

40.8749, 0.2730, 0.3145



Tritanomaly

42.6040, 0.2336, 0.3182

Monochromacy



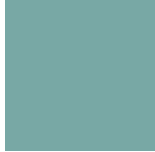
Original Color

42.6668, 0.2384, 0.3412



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

34.7149, 0.2743, 0.3336

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6668, 0.2384, 0.3412 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(62, 193, 185)` looks like.

```
.text, #text, p{  
    color:rgb(62, 193, 185)  
}
```

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(62, 193, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 193, 185) }
```

Border

The CSS property to change the border of an element to Yxy 42.6668, 0.2384, 0.3412 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(62, 193, 185) }
```

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

```
.border{ border-color:rgb(62, 193, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 193, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(62, 193, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(62, 193, 185); box-shadow:4px 4px 4px 4px rgb(62, 193, 185) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6668, 0.2384, 0.3412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 193, 185) }
```

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

```
.background{ background-color: rgb(62, 193,  
185) }
```

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