

Converting Colors

$Y_{xy}(42.4465, 0.2337, 0.3560)$

Have a look what the booklet for
Yxy(42.4465, 0.2337, 0.3560)
contains.

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Color

Yxy(42.3830, 0.2337, 0.3561)

Conversions

Conversions Part 1

Format	Color
Hex	13C3B2
RGB	19, 195, 178
RGB Percent	7%, 76%, 70%
CMY	0.9261, 0.2353, 0.3020
CMYK	0.90, 0.00, 0.09, 0.24
HSL	174°, 82%, 42%
HSV	174°, 90%, 76%
XYZ	27.8150, 42.3830, 48.8220
YIQ	140.4380, -99.4390, -42.5990

Conversions

Conversions Part 2

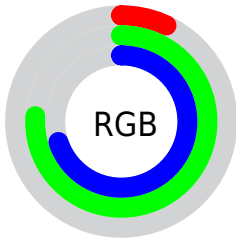
Format	Color
RYB	19, 111, 195
Decimal	1295282
CIELab	71.13, -43.62, -2.85
CIELCh	71, 43.713, 183.735
Yxy	42.3830, 0.2337, 0.3561
Android (android.graphics.Color)	4279485362 (0xFF13C3B2)
YUV	140.4380, 18.5181, -106.5011
Hunter-Lab	65.1022, -37.6647, 1.1083

Details

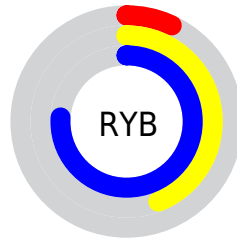
The Yxy color **42.3830, 0.2337, 0.3561** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed spring green. A complement of this color would be **12.1900, 0.6061, 0.3204**, and the grayscale version is **26.3409, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6255, 0.2479, 0.3505**, and **20.2368, 0.2338, 0.3618** is the 20% darker color. If you saturate the color by 10%, you get **42.1752, 0.2331, 0.3592**, and if you desaturate by 10%, it is **42.7425, 0.2357, 0.3528**.

Distribution



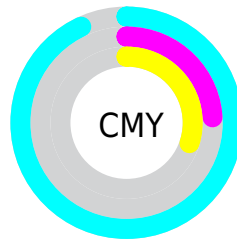
- Red (7%)
- Green (76%)
- Blue (70%)



- Red (7%)
- Yellow (44%)
- Blue (76%)



- Cyan (90%)
- Magenta (0%)
- Yellow (9%)
- Black (24%)




- Cyan (93%)
- Magenta (24%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.3830, 0.2337, 0.3561 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 42.3830, 0.2337, 0.3561 by changing the saturation by 10% instead.


 42.3830, 0.2337,
0.3561


 42.3830, 0.2337,
0.3561


356.0682, 0.2732,
0.3429

 29.4013, 0.2239,
0.3592


 78.7790, 0.2480,
0.3514

 19.3846, 0.2114,
0.3632


 102.9620, 0.2534,
0.3496


 11.9485, 0.1950,
0.3682


 131.6476, 0.2580,
0.3481

 6.7086, 0.1725,
0.3749

 165.2202, 0.2619,
0.3468

 3.2806, 0.1404,
0.3836

 204.0642, 0.2653,
0.3456

 1.2799, 0.0350,
0.4196

248.5639, 0.2682,

 0.1256, 0.0000,

0.3446

0.2722

299.1038, 0.2709,
0.3437

■ 0.0000, 0.0000,
0.0000

■ 42.3830, 0.2337,
0.3561

■ 42.3830, 0.2337,
0.3561

■ 42.1752, 0.2331,
0.3592

■ 42.7425, 0.2357,
0.3528

■ 43.2960, 0.2395,
0.3495

■ 44.0715, 0.2452,
0.3462

■ 45.0916, 0.2528,
0.3430

■ 46.3758, 0.2622,
0.3398

■ 47.9418, 0.2731,
0.3369

■ 49.8059, 0.2852,
0.3341

■ 51.9829, 0.2984,
0.3315

■ 54.4866, 0.3122,
0.3291

Harmonies

Analogous

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



42.3830, 0.2842, 0.4162



42.3830, 0.2337, 0.3561



42.3830, 0.2056, 0.2935

Triad

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



42.3830, 0.2337, 0.3561



42.3830, 0.2710, 0.2362



42.3830, 0.4343, 0.3930

Complementary

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



42.3830, 0.2337, 0.3561



12.1900, 0.6061, 0.3204

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.



42.3830, 0.4331, 0.3453



42.3830, 0.2337, 0.3561



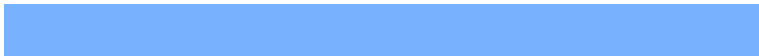
42.3830, 0.3329, 0.2600

Square

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



42.3830, 0.2337, 0.3561



42.3830, 0.2255, 0.2319



42.3830, 0.3945, 0.2985



42.3830, 0.4008, 0.4314

Rectangle

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



42.3830, 0.2337, 0.3561



42.3830, 0.2011, 0.2620



42.3830, 0.3945, 0.2985



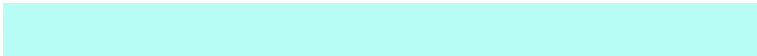
42.3830, 0.4382, 0.3775

Sweetspot

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



42.3846, 0.2337, 0.3561



86.7751, 0.2765, 0.3360



39.4640, 0.3042, 0.5891



18.7641, 0.2724, 0.3370



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.



42.3846, 0.2337, 0.3561



75.5077, 0.2333, 0.3597



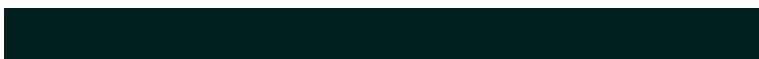
18.6281, 0.1925, 0.2062



11.4111, 0.2997, 0.3312



27.4156, 0.2330, 0.3588



1.1895, 0.2310, 0.3515

Inverse Universe

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



12.1900, 0.6061, 0.3204



20.8472, 0.6315, 0.3252



18.8452, 0.5471, 0.3932



10.0934, 0.3274, 0.3268



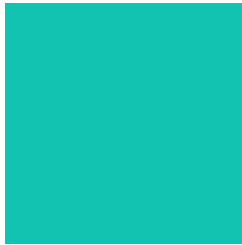
7.5768, 0.6275, 0.3231



0.3328, 0.5881, 0.3014

Previews

White Background



This preview shows how the Yxy color 42.3830, 0.2337, 0.3561 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 42.3830, 0.2337, 0.3561 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

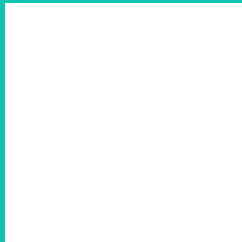
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.3830, 0.2337, 0.3561

Background



This preview shows how black text looks on a background with the Yxy color 42.3830, 0.2337, 0.3561.

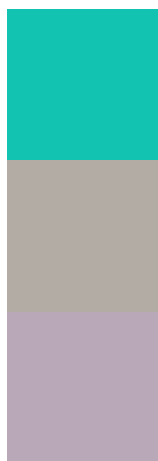


This preview shows how white text looks on a background with the Yxy color 42.3830, 0.2337, 0.3561.

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

42.3830, 0.2337, 0.3561

Protanopia

41.6866, 0.3241, 0.3386

Deuteranopia

41.6563, 0.3137, 0.3080



Tritanopia

42.4216, 0.2248, 0.3063

Trichromacy



Original Color

42.3830, 0.2337, 0.3561



Protanomaly

39.5379, 0.2727, 0.3442



Deuteranomaly

39.5033, 0.2671, 0.3229



Tritanomaly

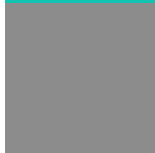
42.1161, 0.2271, 0.3226

Monochromacy



Original Color

42.3830, 0.2337, 0.3561



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

29.9615, 0.2630, 0.3392

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3830, 0.2337, 0.3561 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(19, 195, 178)` looks like.

```
.text, #text, p{  
    color:rgb(19, 195, 178)  
}
```

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(19, 195, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 195, 178) }
```

Border

The CSS property to change the border of an element to Yxy 42.3830, 0.2337, 0.3561 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(19, 195, 178) }
```

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

```
.border{ border-color:rgb(19, 195, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 195, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 195, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 195, 178);  
box-shadow:4px 4px 4px 4px rgb(19, 195,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3830, 0.2337, 0.3561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 195, 178) }
```

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

```
.background{ background-color: rgb(19, 195,  
178) }
```

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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