

Converting Colors

$Y_{xy}(42.1727, 0.2358, 0.3527)$

Have a look what the booklet for
Yxy(42.1727, 0.2358, 0.3527)
contains.

Yxy(42.2696, 0.2358, 0.3527)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.2696, 0.2358, 0.3527)

Conversions

Conversions Part 1

Format	Color
Hex	27C2B3
RGB	39, 194, 179
RGB Percent	15%, 76%, 70%
CMY	0.8478, 0.2392, 0.2980
CMYK	0.80, 0.00, 0.08, 0.24
HSL	174°, 67%, 46%
HSV	174°, 80%, 76%
XYZ	28.2596, 42.2696, 49.3165
YIQ	145.9450, -87.5650, -37.5250

Conversions

Conversions Part 2

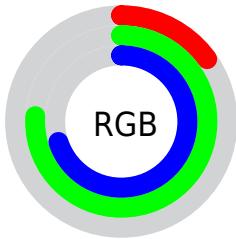
Format	Color
R_{YB}	39, 120, 194
Decimal	2605747
CIE _{Lab}	71.06, -41.53, -3.50
CIE _{LCh}	71, 41.672, 184.813
Yxy	42.2696, 0.2358, 0.3527
Android (android.graphics.Color)	4280795827 (0xFF27C2B3)
YUV	145.9450, 16.2961, -93.7908
Hunter-Lab	65.0151, -36.1891, 0.5367

Details

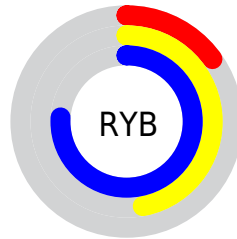
The Yxy color **42.2696, 0.2358, 0.3527** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **13.1747, 0.5685, 0.3169**, and the grayscale version is **28.6588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5032, 0.2496, 0.3480**, and **19.9716, 0.2326, 0.3574** is the 20% darker color. If you saturate the color by 10%, you get **41.9107, 0.2338, 0.3560**, and if you desaturate by 10%, it is **42.8260, 0.2397, 0.3494**.

Distribution



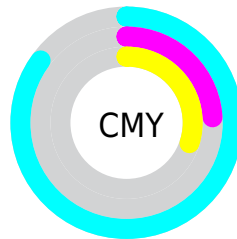
- Red (15%)
- Green (76%)
- Blue (70%)



- Red (15%)
- Yellow (47%)
- Blue (76%)



- Cyan (80%)
- Magenta (0%)
- Yellow (8%)
- Black (24%)




- Cyan (85%)
- Magenta (24%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2696, 0.2358, 0.3527 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 42.2696, 0.2358, 0.3527 by changing the saturation by 10% instead.


 42.2696, 0.2358,
0.3527


 42.2696, 0.2358,
0.3527


355.5993, 0.2742,
0.3413


 29.3125, 0.2263,
0.3554


 78.6075, 0.2497,
0.3487


 19.3173, 0.2141,
0.3587

 102.7570, 0.2550,
0.3471


 11.8998, 0.1981,
0.3630


 131.4061, 0.2594,
0.3458

 6.6755, 0.1762,
0.3685

 164.9392, 0.2632,
0.3446

 3.2600, 0.1447,
0.3756

 203.7407, 0.2665,
0.3436

 1.2689, 0.0477,
0.4048

248.1950, 0.2694,

 0.1169, 0.0000,

0.3427

0.2393

298.6864, 0.2720,
0.3420

■ 0.0000, 0.0000,
0.0000

■ 42.2696, 0.2358,
0.3527

■ 42.2696, 0.2358,
0.3527

■ 41.9107, 0.2338,
0.3560

■ 42.8260, 0.2397,
0.3494

■ 41.6937, 0.2331,
0.3593

■ 43.6011, 0.2455,
0.3461

■ 41.6936, 0.2331,
0.3593

■ 44.6185, 0.2532,
0.3429

■ 45.8975, 0.2626,
0.3397

■ 47.4556, 0.2735,
0.3368

■ 49.3086, 0.2857,
0.3340

■ 51.4712, 0.2988,
0.3314

■ 53.9572, 0.3127,
0.3290

■ 56.7794, 0.3270,
0.3269

Harmonies

Analogous

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



42.2696, 0.2837, 0.4101



42.2696, 0.2358, 0.3527



42.2696, 0.2094, 0.2936

Triad

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



42.2696, 0.2358, 0.3527



42.2696, 0.2748, 0.2404



42.2696, 0.4283, 0.3923

Complementary

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



42.2696, 0.2358, 0.3527



13.1747, 0.5685, 0.3169

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.



42.2696, 0.4282, 0.3468



42.2696, 0.2358, 0.3527



42.2696, 0.3343, 0.2639

Square

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



42.2696, 0.2358, 0.3527



42.2696, 0.2303, 0.2357



42.2696, 0.3926, 0.3015



42.2696, 0.3956, 0.4280

Rectangle

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



42.2696, 0.2358, 0.3527



42.2696, 0.2056, 0.2638



42.2696, 0.3926, 0.3015



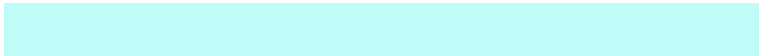
42.2696, 0.4324, 0.3776

Sweetspot

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



42.2712, 0.2358, 0.3527



87.7823, 0.2802, 0.3352



39.5276, 0.3066, 0.5717



18.9616, 0.2758, 0.3362



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.



42.2712, 0.2358, 0.3527



75.6265, 0.2333, 0.3584



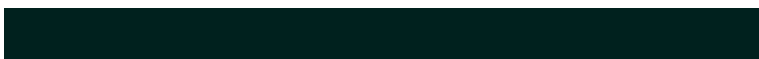
20.8079, 0.2008, 0.2221



11.4111, 0.2997, 0.3312



27.4153, 0.2330, 0.3588



1.1895, 0.2310, 0.3515

Inverse Universe

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



13.1747, 0.5685, 0.3169



21.1116, 0.6240, 0.3237



20.9031, 0.5176, 0.3969



10.0934, 0.3274, 0.3268



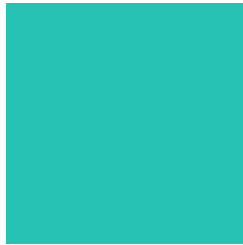
7.5768, 0.6275, 0.3231



0.3328, 0.5881, 0.3013

Previews

White Background



This preview shows how the Yxy color 42.2696, 0.2358, 0.3527 looks on a white background.

Color Contrast Check

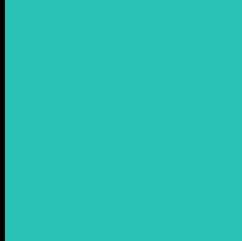
Large Text (above 18pt) WCAG AA × Fail

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 42.2696, 0.2358, 0.3527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

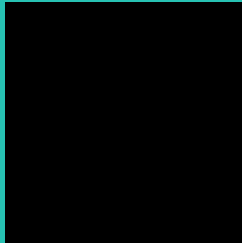
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

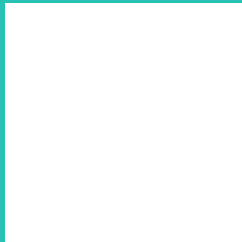
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.2696, 0.2358, 0.3527

Background



This preview shows how black text looks on a background with the Yxy color 42.2696, 0.2358, 0.3527.

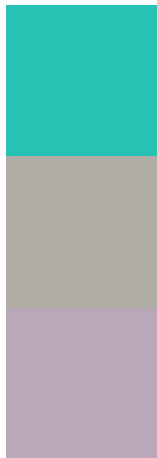


This preview shows how white text looks on a background with the Yxy color 42.2696, 0.2358, 0.3527.

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

42.2696, 0.2358, 0.3527

Protanopia

41.6053, 0.3223, 0.3372

Deuteranopia

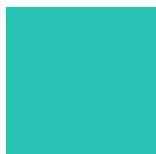
41.6984, 0.3129, 0.3068



Tritanopia

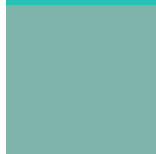
42.2129, 0.2265, 0.3049

Trichromacy



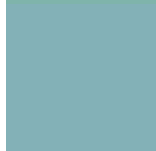
Original Color

42.2696, 0.2358, 0.3527



Protanomaly

40.0948, 0.2769, 0.3425



Deuteranomaly

39.6885, 0.2712, 0.3201



Tritanomaly

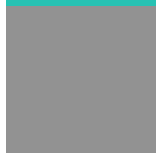
41.9772, 0.2296, 0.3211

Monochromacy



Original Color

42.2696, 0.2358, 0.3527



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

31.7888, 0.2687, 0.3372

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2696, 0.2358, 0.3527 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(39, 194, 179)` looks like.

```
.text, #text, p{  
  color:rgb(39, 194, 179)  
}
```

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(39, 194, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 194, 179) }
```

Border

The CSS property to change the border of an element to Yxy 42.2696, 0.2358, 0.3527 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(39, 194, 179) }
```

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

```
.border{ border-color:rgb(39, 194, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 194, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 194, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 194, 179);  
box-shadow:4px 4px 4px 4px rgb(39, 194,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2696, 0.2358, 0.3527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 194, 179) }
```

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

```
.background{ background-color: rgb(39, 194,  
179) }
```

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