

Converting Colors

$Yxy(42.0965, 0.2203, 0.3398)$

Have a look what the booklet for
Yxy(42.0965, 0.2203, 0.3398)
contains.

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Color

Yxy(42.6611, 0.2277, 0.3398)

Conversions

Conversions Part 1

Format	Color
Hex	00C3BC
RGB	0, 195, 188
RGB Percent	0%, 76%, 74%
CMY	1.0000, 0.2353, 0.2628
CMYK	1.00, 0.00, 0.04, 0.24
HSL	178°, 100%, 38%
HSV	178°, 100%, 76%
XYZ	28.5872, 42.6611, 54.2994
YIQ	135.8970, -113.9730, -43.5170

Conversions

Conversions Part 2

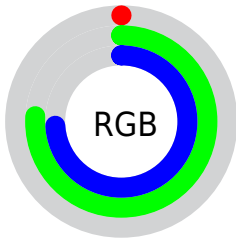
Format	Color
RYB	0, 99, 195
Decimal	50108
CIELab	71.32, -41.40, -8.04
CIELCh	71, 42.170, 190.995
Yxy	42.6611, 0.2277, 0.3398
Android (android.graphics.Color)	4278240188 (0xFF00C3BC)
YUV	135.8970, 25.6868, -119.1817
Hunter-Lab	65.3155, -36.1764, -3.5693

Details

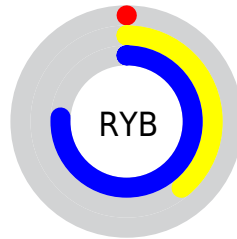
The Yxy color **42.6611, 0.2277, 0.3398** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **11.6189, 0.6365, 0.3280**, and the grayscale version is **24.5160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0360, 0.2428, 0.3383**, and **20.5054, 0.2276, 0.3394** is the 20% darker color. If you saturate the color by 10%, you get **42.6654, 0.2277, 0.3398**, and if you desaturate by 10%, it is **42.8393, 0.2288, 0.3386**.

Distribution



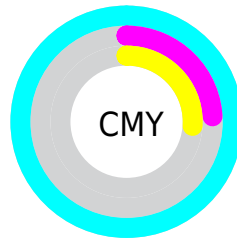
- Red (0%)
- Green (76%)
- Blue (74%)



- Red (0%)
- Yellow (39%)
- Blue (76%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (24%)





- Cyan (100%)
- Magenta (24%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.6611, 0.2277, 0.3398 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 42.6611, 0.2277, 0.3398 by changing the saturation by 10% instead.

 42.6611, 0.2277,
0.3398


 42.6611, 0.2277,
0.3398


357.2162, 0.2698,
0.3354

 29.6193, 0.2174,
0.3405


 79.1992, 0.2428,
0.3385

 19.5498, 0.2044,
0.3413


 103.4643, 0.2486,
0.3379

 12.0682, 0.1874,
0.3419


 132.2393, 0.2534,
0.3374

 6.7902, 0.1646,
0.3419

 165.9085, 0.2576,
0.3369

 3.3312, 0.1325,
0.3402

 204.8564, 0.2613,
0.3365

 1.3070, 0.0480,
0.3465

249.4674, 0.2644,

 0.1466, 0.0000,

0.3361

0.1688

300.1259, 0.2673,
0.3357

■ 0.0000, 0.0000,
0.0000

■ 42.6611, 0.2277,
0.3398

■ 42.6611, 0.2277,
0.3398

■ 42.6654, 0.2277,
0.3398

■ 42.8393, 0.2288,
0.3386

■ 43.1576, 0.2313,
0.3375

■ 43.6715, 0.2356,
0.3363

■ 44.4075, 0.2418,
0.3351

■ 45.3878, 0.2499,
0.3340

■ 46.6320, 0.2598,
0.3329

■ 48.1577, 0.2712,
0.3318

■ 49.9810, 0.2841,
0.3308

■ 52.1168, 0.2980,
0.3299

Harmonies

Analogous

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



42.6611, 0.2721, 0.4006



42.6611, 0.2277, 0.3398



42.6611, 0.2063, 0.2829

Triad

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



42.6611, 0.2277, 0.3398



42.6611, 0.2860, 0.2432



42.6611, 0.4249, 0.4014

Complementary

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



42.6611, 0.2277, 0.3398



11.6189, 0.6365, 0.3280

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.



42.6611, 0.4323, 0.3565



42.6611, 0.2277, 0.3398



42.6611, 0.3474, 0.2702

Square

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



42.6611, 0.2277, 0.3398



42.6611, 0.2372, 0.2342



42.6611, 0.4033, 0.3102



42.6611, 0.3863, 0.4337

Rectangle

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



42.6611, 0.2277, 0.3398



42.6611, 0.2059, 0.2561



42.6611, 0.4033, 0.3102



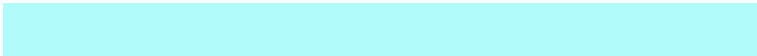
42.6611, 0.4313, 0.3872

Sweetspot

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



42.6654, 0.2277, 0.3398



86.1023, 0.2707, 0.3318



39.0978, 0.3010, 0.5992



18.5866, 0.2656, 0.3323



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.



42.6654, 0.2277, 0.3398



76.3969, 0.2278, 0.3400



14.5094, 0.1817, 0.1742



11.4220, 0.2989, 0.3298



27.7297, 0.2277, 0.3396



1.2001, 0.2270, 0.3370

Inverse Universe

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



11.6189, 0.6365, 0.3280



20.7995, 0.6375, 0.3286



18.5427, 0.5559, 0.3968



10.0836, 0.3283, 0.3282



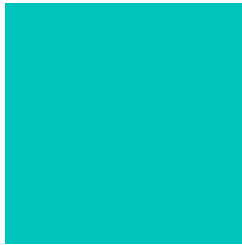
7.5534, 0.6356, 0.3275



0.3284, 0.6194, 0.3186

Previews

White Background



This preview shows how the Yxy color 42.6611, 0.2277, 0.3398 looks on a white background.

Color Contrast Check

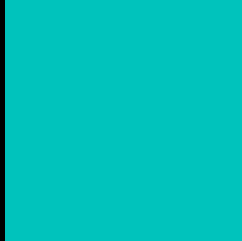
Large Text (above 18pt) WCAG AA × Fail

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 42.6611, 0.2277, 0.3398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

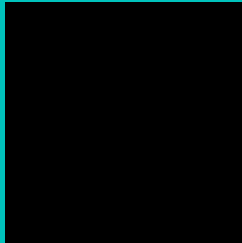
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

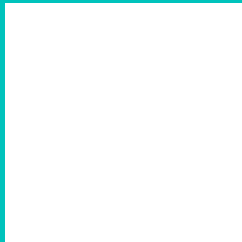
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.6611, 0.2277, 0.3398

Background



This preview shows how black text looks on a background with the Yxy color 42.6611, 0.2277, 0.3398.

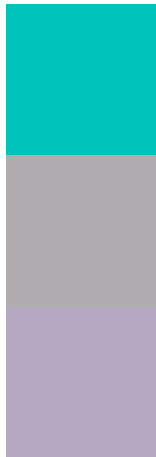


This preview shows how white text looks on a background with the Yxy color 42.6611, 0.2277, 0.3398.

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

42.6611, 0.2277, 0.3398

Protanopia

41.8303, 0.3138, 0.3250

Deuteranopia

42.0947, 0.3027, 0.2965



Tritanopia

42.7248, 0.2223, 0.3048

Trichromacy



Original Color

42.6611, 0.2277, 0.3398



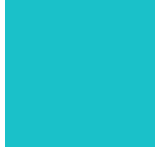
Protanomaly

39.3825, 0.2609, 0.3288



Deuteranomaly

39.2914, 0.2549, 0.3081



Tritanomaly

42.5766, 0.2233, 0.3165

Monochromacy



Original Color

42.6611, 0.2277, 0.3398



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

28.5067, 0.2554, 0.3324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6611, 0.2277, 0.3398 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(0, 195, 188)` looks like.

```
.text, #text, p{  
    color:rgb(0, 195, 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(0, 195, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 195, 188) }
```

Border

The CSS property to change the border of an element to Yxy 42.6611, 0.2277, 0.3398 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(0, 195, 188) }
```

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

```
.border{ border-color:rgb(0, 195, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 195, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 195, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 195, 188);  
box-shadow:4px 4px 4px 4px rgb(0, 195,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6611, 0.2277, 0.3398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 195, 188) }
```

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

```
.background{ background-color: rgb(0, 195,  
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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