

Converting Colors

$Y_{xy}(42.1508, 0.2269, 0.3370)$

Have a look what the booklet for
Yxy(42.1508, 0.2269, 0.3370)
contains.

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Color

Yxy(42.2577, 0.2268, 0.3366)

Conversions

Conversions Part 1

Format	Color
Hex	00C2BD
RGB	0, 194, 189
RGB Percent	0%, 76%, 74%
CMY	1.0000, 0.2392, 0.2587
CMYK	1.00, 0.00, 0.03, 0.24
HSL	178°, 100%, 38%
HSV	178°, 100%, 76%
XYZ	28.4731, 42.2577, 54.8120
YIQ	135.4240, -114.0190, -42.6830

Conversions

Conversions Part 2

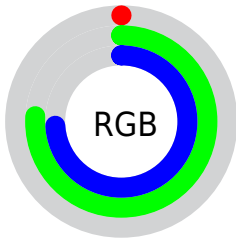
Format	Color
RYB	0, 98, 194
Decimal	49853
CIELab	71.05, -40.65, -9.02
CIELCh	71, 41.640, 192.505
Yxy	42.2577, 0.2268, 0.3366
Android (android.graphics.Color)	4278239933 (0xFF00C2BD)
YUV	135.4240, 26.4130, -118.7668
Hunter-Lab	65.0059, -35.5760, -4.4883

Details

The Yxy color **42.2577, 0.2268, 0.3366** 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 **11.4816, 0.6375, 0.3286**, and the grayscale version is **24.3290, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4705, 0.2422, 0.3359**, and **20.5337, 0.2270, 0.3373** is the 20% darker color. If you saturate the color by 10%, you get **42.2631, 0.2268, 0.3366**, and if you desaturate by 10%, it is **42.4273, 0.2280, 0.3358**.

Distribution



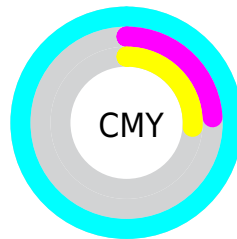
- Red (0%)
- Green (76%)
- Blue (74%)



- Red (0%)
- Yellow (38%)
- Blue (76%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (24%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2577, 0.2268, 0.3366 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 42.2577, 0.2268, 0.3366 by changing the saturation by 10% instead.


 42.2577, 0.2268,
0.3366


 42.2577, 0.2268,
0.3366

355.5501, 0.2693,
0.3339

 29.3031, 0.2164,
0.3369


 78.5895, 0.2421,
0.3359


 19.3103, 0.2033,
0.3370


 102.7355, 0.2479,
0.3356


 11.8947, 0.1861,
0.3368


 131.3808, 0.2528,
0.3352

 6.6720, 0.1630,
0.3356

 164.9097, 0.2570,
0.3349

 3.2578, 0.1307,
0.3320

 203.7068, 0.2607,
0.3346

 1.2678, 0.0450,
0.3351

248.1562, 0.2639,

 0.1160, 0.0000,

0.3344

0.1330

298.6425, 0.2668,
0.3341

■ 0.0000, 0.0000,
0.0000

■ 42.2577, 0.2268,
0.3366

■ 42.2577, 0.2268,
0.3366

■ 42.2631, 0.2268,
0.3366

■ 42.4273, 0.2280,
0.3358

■ 42.7340, 0.2306,
0.3350

■ 43.2340, 0.2350,
0.3341

■ 43.9534, 0.2412,
0.3333

■ 44.9140, 0.2494,
0.3325

■ 46.1353, 0.2593,
0.3317

■ 47.6346, 0.2709,
0.3310

■ 49.4279, 0.2838,
0.3303

■ 51.5299, 0.2979,
0.3296

Harmonies

Analogous

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



42.2577, 0.2699, 0.3971



42.2577, 0.2268, 0.3366



42.2577, 0.2067, 0.2810

Triad

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



42.2577, 0.2268, 0.3366



42.2577, 0.2891, 0.2449



42.2577, 0.4226, 0.4029

Complementary

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



42.2577, 0.2268, 0.3366



11.4816, 0.6375, 0.3286

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.



42.2577, 0.4317, 0.3587



42.2577, 0.2268, 0.3366



42.2577, 0.3502, 0.2725

Square

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



42.2577, 0.2268, 0.3366



42.2577, 0.2398, 0.2350



42.2577, 0.4046, 0.3127



42.2577, 0.3832, 0.4337

Rectangle

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



42.2577, 0.2268, 0.3366



42.2577, 0.2072, 0.2552



42.2577, 0.4046, 0.3127



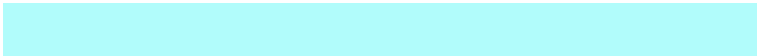
42.2577, 0.4295, 0.3890

Sweetspot

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



42.2631, 0.2268, 0.3366



86.1512, 0.2703, 0.3310



38.6297, 0.3007, 0.5995



18.5988, 0.2652, 0.3313



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.



42.2631, 0.2268, 0.3366



76.5552, 0.2269, 0.3367



13.6901, 0.1802, 0.1685



11.4238, 0.2988, 0.3296



27.7855, 0.2268, 0.3365



1.2020, 0.2263, 0.3346

Inverse Universe

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



11.4816, 0.6375, 0.3286



20.7938, 0.6382, 0.3290



18.8741, 0.5510, 0.4007



10.0820, 0.3285, 0.3285



7.5498, 0.6369, 0.3282



0.3277, 0.6251, 0.3217

Previews

White Background



This preview shows how the Yxy color 42.2577, 0.2268, 0.3366 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 42.2577, 0.2268, 0.3366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

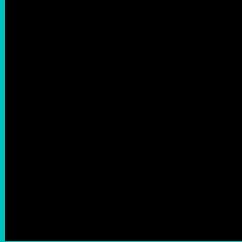
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

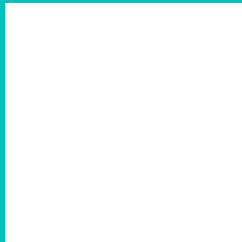
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.2577, 0.2268, 0.3366

Background



This preview shows how black text looks on a background with the Yxy color 42.2577, 0.2268, 0.3366.

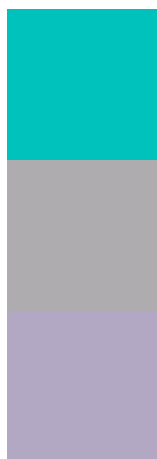


This preview shows how white text looks on a background with the Yxy color 42.2577, 0.2268, 0.3366.

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

42.2577, 0.2268, 0.3366

Protanopia

41.7536, 0.3121, 0.3236

Deuteranopia

41.5291, 0.3002, 0.2937



Tritanopia

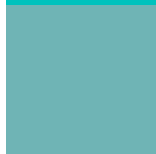
42.2177, 0.2221, 0.3047

Trichromacy



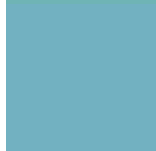
Original Color

42.2577, 0.2268, 0.3366



Protanomaly

39.3582, 0.2596, 0.3273



Deuteranomaly

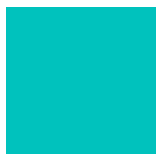
38.8719, 0.2534, 0.3051



Tritanomaly

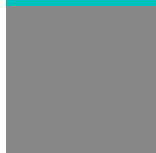
42.0761, 0.2232, 0.3165

Monochromacy



Original Color

42.2577, 0.2268, 0.3366



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

28.1219, 0.2544, 0.3306

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2577, 0.2268, 0.3366 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, 194, 189)` looks like.

```
.text, #text, p{  
    color:rgb(0, 194, 189)  
}
```

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, 194, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 194, 189) }
```

Border

The CSS property to change the border of an element to Yxy 42.2577, 0.2268, 0.3366 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, 194, 189) }
```

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

```
.border{ border-color:rgb(0, 194, 189) }
```

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

Here you see how a box with a 4 pixel rgb(0, 194, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 194, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 194, 189);  
box-shadow:4px 4px 4px 4px rgb(0, 194,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2577, 0.2268, 0.3366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 194, 189) }
```

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

```
.background{ background-color: rgb(0, 194,  
189) }
```

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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