

Converting Colors

$Y_{xy}(42.1875, 0.2292, 0.3447)$

Have a look what the booklet for
Yxy(42.1875, 0.2292, 0.3447)
contains.

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Color

Yxy(42.0572, 0.2292, 0.3447)

Conversions

Conversions Part 1

Format	Color
Hex	02C2B8
RGB	2, 194, 184
RGB Percent	1%, 76%, 72%
CMY	0.9934, 0.2392, 0.2784
CMYK	0.99, 0.00, 0.05, 0.24
HSL	177°, 98%, 38%
HSV	177°, 99%, 76%
XYZ	27.9649, 42.0572, 51.9889
YIQ	135.4520, -111.2220, -43.8140

Conversions

Conversions Part 2

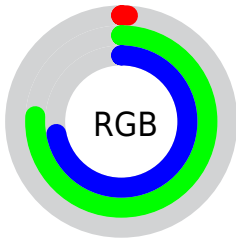
Format	Color
RYB	2, 101, 194
Decimal	180920
CIELab	70.91, -42.06, -6.47
CIELCh	71, 42.555, 188.751
Yxy	42.0572, 0.2292, 0.3447
Android (android.graphics.Color)	4278371000 (0xFF02C2B8)
YUV	135.4520, 23.9342, -117.0374
Hunter-Lab	64.8515, -36.5183, -2.1344

Details

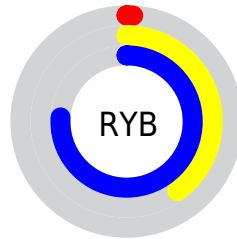
The Yxy color **42.0572, 0.2292, 0.3447** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **11.5328, 0.6335, 0.3271**, and the grayscale version is **24.3102, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1692, 0.2442, 0.3420**, and **20.1039, 0.2295, 0.3461** is the 20% darker color. If you saturate the color by 10%, you get **42.0442, 0.2291, 0.3448**, and if you desaturate by 10%, it is **42.2508, 0.2303, 0.3430**.

Distribution



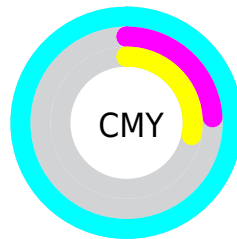
- Red (1%)
- Green (76%)
- Blue (72%)



- Red (1%)
- Yellow (40%)
- Blue (76%)



- Cyan (99%)
- Magenta (0%)
- Yellow (5%)
- Black (24%)



- Cyan (99%)
- Magenta (24%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0572, 0.2292, 0.3447 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 42.0572, 0.2292, 0.3447 by changing the saturation by 10% instead.


 42.0572, 0.2292,
0.3447

 42.0572, 0.2292,
0.3447


354.7200, 0.2707,
0.3377

 29.1461, 0.2190,
0.3462


 78.2862, 0.2442,
0.3424


 19.1914, 0.2060,
0.3478


 102.3728, 0.2498,
0.3414


 11.8086, 0.1891,
0.3497

 130.9535, 0.2546,
0.3406

 6.6135, 0.1660,
0.3516

 164.4125, 0.2588,
0.3399

 3.2216, 0.1335,
0.3528

 203.1342, 0.2624,
0.3392

 1.2485, 0.0359,
0.3692

247.5031, 0.2655,

 0.1008, 0.0000,

0.3387

0.1520

297.9036, 0.2683,
0.3381

■ 0.0000, 0.0000,
0.0000

■ 42.0572, 0.2292,
0.3447

■ 42.0572, 0.2292,
0.3447

■ 42.0442, 0.2291,
0.3448

■ 42.2508, 0.2303,
0.3430

■ 42.5942, 0.2328,
0.3413

■ 43.1335, 0.2371,
0.3396

■ 43.8944, 0.2434,
0.3379

■ 44.8987, 0.2515,
0.3362

■ 46.1654, 0.2614,
0.3345

■ 47.7118, 0.2729,
0.3330

■ 49.5537, 0.2857,
0.3315

■ 51.7057, 0.2995,
0.3301

Harmonies

Analogous

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



42.0572, 0.2756, 0.4056



42.0572, 0.2292, 0.3447



42.0572, 0.2057, 0.2858

Triad

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



42.0572, 0.2292, 0.3447



42.0572, 0.2813, 0.2408



42.0572, 0.4281, 0.3991

Complementary

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



42.0572, 0.2292, 0.3447



11.5328, 0.6335, 0.3271

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.



42.0572, 0.4330, 0.3532



42.0572, 0.2292, 0.3447



42.0572, 0.3431, 0.2669

Square

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



42.0572, 0.2292, 0.3447



42.0572, 0.2334, 0.2332



42.0572, 0.4010, 0.3066



42.0572, 0.3910, 0.4334

Rectangle

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



42.0572, 0.2292, 0.3447



42.0572, 0.2040, 0.2576



42.0572, 0.4010, 0.3066



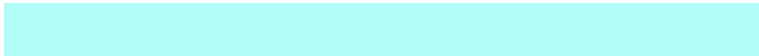
42.0572, 0.4339, 0.3844

Sweetspot

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



42.0588, 0.2292, 0.3447



86.0263, 0.2713, 0.3332



38.6885, 0.3014, 0.5983



18.5677, 0.2662, 0.3338



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.



42.0588, 0.2292, 0.3447



76.1540, 0.2292, 0.3451



15.2029, 0.1839, 0.1815



11.4191, 0.2991, 0.3302



27.6440, 0.2291, 0.3446



1.1972, 0.2280, 0.3408

Inverse Universe

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



11.5328, 0.6335, 0.3271



20.8090, 0.6363, 0.3279



17.9751, 0.5587, 0.3937



10.0862, 0.3281, 0.3278



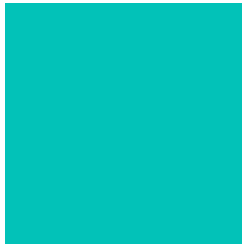
7.5591, 0.6336, 0.3264



0.3296, 0.6107, 0.3138

Previews

White Background



This preview shows how the Yxy color 42.0572, 0.2292, 0.3447 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 42.0572, 0.2292, 0.3447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

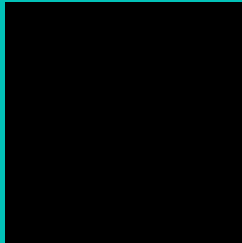
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

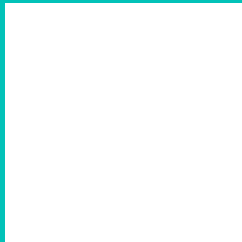
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.0572, 0.2292, 0.3447

Background



This preview shows how black text looks on a background with the Yxy color 42.0572, 0.2292, 0.3447.

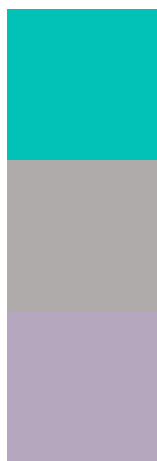


This preview shows how white text looks on a background with the Yxy color 42.0572, 0.2292, 0.3447.

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

42.0572, 0.2292, 0.3447

Protanopia

41.2962, 0.3172, 0.3290

Deuteranopia

41.5467, 0.3060, 0.3002



Tritanopia

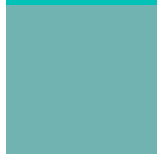
42.2314, 0.2231, 0.3062

Trichromacy



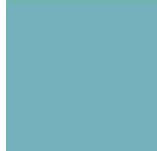
Original Color

42.0572, 0.2292, 0.3447



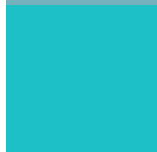
Protanomaly

38.8855, 0.2638, 0.3335



Deuteranomaly

38.7881, 0.2577, 0.3124



Tritanomaly

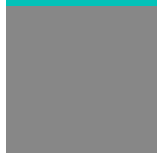
42.0234, 0.2245, 0.3195

Monochromacy



Original Color

42.0572, 0.2292, 0.3447



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

28.1031, 0.2565, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0572, 0.2292, 0.3447 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(2, 194, 184)` looks like.

```
.text, #text, p{  
    color:rgb(2, 194, 184)  
}
```

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(2, 194, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 194, 184) }
```

Border

The CSS property to change the border of an element to Yxy 42.0572, 0.2292, 0.3447 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(2, 194, 184) }
```

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

```
.border{ border-color:rgb(2, 194, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 194, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 194, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 194, 184);  
box-shadow:4px 4px 4px 4px rgb(2, 194,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0572, 0.2292, 0.3447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 194, 184) }
```

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

```
.background{ background-color: rgb(2, 194,  
184) }
```

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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