

Converting Colors

$Y_{xy}(47.9788, 0.2332, 0.3593)$

Have a look what the booklet for
Yxy(47.9788, 0.2332, 0.3593)
contains.

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Color

Yxy(48.2200, 0.2332, 0.3593)

Conversions

Conversions Part 1

Format	Color
Hex	01CFBB
RGB	1, 207, 187
RGB Percent	0%, 81%, 73%
CMY	0.9963, 0.1882, 0.2665
CMYK	1.00, 0.00, 0.10, 0.19
HSL	174°, 99%, 41%
HSV	174°, 100%, 81%
XYZ	31.2967, 48.2200, 54.6887
YIQ	143.1260, -116.3560, -49.8920

Conversions

Conversions Part 2

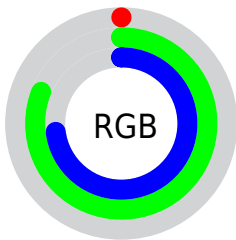
Format	Color
RYB	1, 109, 207
Decimal	118715
CIELab	74.96, -46.82, -2.15
CIELCh	75, 46.865, 182.625
Yxy	48.2200, 0.2332, 0.3593
Android (android.graphics.Color)	4278308795 (0xFF01CFBB)
YUV	143.1260, 21.6299, -124.6445
Hunter-Lab	69.4406, -41.0716, 1.9140

Details

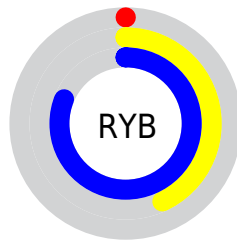
The Yxy color **48.2200, 0.2332, 0.3593** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **13.3399, 0.6291, 0.3243**, and the grayscale version is **27.4620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9943, 0.2446, 0.3430**, and **24.1777, 0.2349, 0.3657** is the 20% darker color. If you saturate the color by 10%, you get **48.2119, 0.2332, 0.3595**, and if you desaturate by 10%, it is **48.4688, 0.2338, 0.3560**.

Distribution



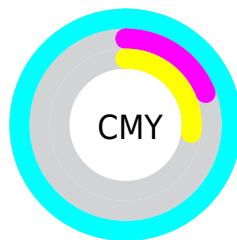
- Red (0%)
- Green (81%)
- Blue (73%)



- Red (0%)
- Yellow (43%)
- Blue (81%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (19%)




- Cyan (100%)
- Magenta (19%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.2200, 0.2332, 0.3593 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 48.2200, 0.2332, 0.3593 by changing the saturation by 10% instead.

 48.2200, 0.2332,
0.3593

 48.2200, 0.2332,
0.3593


379.6635, 0.2721,
0.3447


 34.0011, 0.2238,
0.3627


 87.5319, 0.2471,
0.3541


 22.8945, 0.2119,
0.3670


 113.3937, 0.2524,
0.3522


 14.5156, 0.1965,
0.3725

 143.9052, 0.2569,
0.3505

 8.4801, 0.1758,
0.3797

 179.4510, 0.2608,
0.3490

 4.4037, 0.1469,
0.3894

 220.4153, 0.2642,
0.3477

 1.9018, 0.0925,
0.4078

267.1825, 0.2672,

 0.5495, 0.0000,

0.3466

0.4234

320.1371, 0.2698,
0.3456

0.0000, 0.0000,
0.0000

48.2200, 0.2332,
0.3593

48.2200, 0.2332,
0.3593

48.2119, 0.2332,
0.3595

48.4688, 0.2338,
0.3560

48.8895, 0.2358,
0.3527

49.5371, 0.2398,
0.3494

50.4421, 0.2456,
0.3461

51.6301, 0.2534,
0.3428

■ 53.1238, 0.2628,
0.3397

■ 54.9435, 0.2739,
0.3367

■ 57.1078, 0.2861,
0.3339

■ 59.6337, 0.2994,
0.3313

Harmonies

Analogous

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



48.2200, 0.2855, 0.4206



48.2200, 0.2332, 0.3593



48.2200, 0.2036, 0.2945

Triad

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



48.2200, 0.2332, 0.3593



48.2200, 0.2677, 0.2336



48.2200, 0.4380, 0.3925

Complementary

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



48.2200, 0.2332, 0.3593



13.3399, 0.6291, 0.3243

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.



48.2200, 0.4355, 0.3436



48.2200, 0.2332, 0.3593



48.2200, 0.3308, 0.2572

Square

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



48.2200, 0.2332, 0.3593



48.2200, 0.2221, 0.2299



48.2200, 0.3947, 0.2960



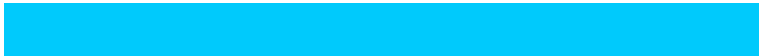
48.2200, 0.4046, 0.4327

Rectangle

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



48.2200, 0.2332, 0.3593



48.2200, 0.1984, 0.2617



48.2200, 0.3947, 0.2960



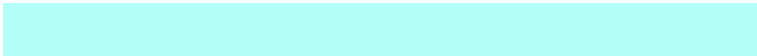
48.2200, 0.4416, 0.3766

Sweetspot

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



48.2218, 0.2332, 0.3593



87.7959, 0.2729, 0.3369



44.7941, 0.3022, 0.5979



18.5155, 0.2681, 0.3382



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.



48.2218, 0.2332, 0.3593



77.2493, 0.2333, 0.3598



19.0715, 0.1867, 0.1919



13.3865, 0.2996, 0.3312



30.3828, 0.2331, 0.3590



1.7047, 0.2314, 0.3529

Inverse Universe

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



13.3399, 0.6291, 0.3243



21.3290, 0.6315, 0.3252



19.5101, 0.5699, 0.3853



11.8266, 0.3276, 0.3268



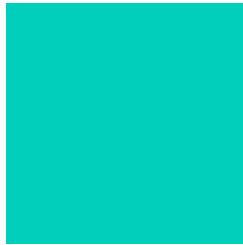
8.3961, 0.6280, 0.3233



0.4760, 0.5947, 0.3050

Previews

White Background



This preview shows how the Yxy color 48.2200, 0.2332, 0.3593 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 48.2200, 0.2332, 0.3593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

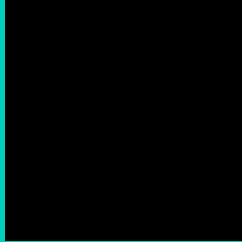
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

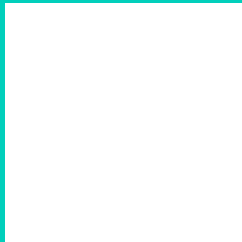
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.2200, 0.2332, 0.3593

Background



This preview shows how black text looks on a background with the Yxy color 48.2200, 0.2332, 0.3593.

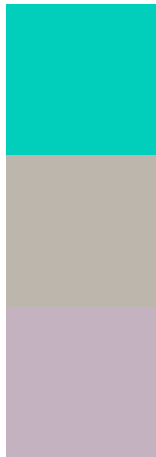


This preview shows how white text looks on a background with the Yxy color 48.2200, 0.2332, 0.3593.

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

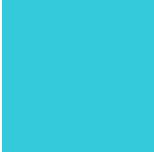
48.2200, 0.2332, 0.3593

Protanopia

47.2918, 0.3260, 0.3407

Deuteranopia

47.4268, 0.3162, 0.3104



Tritanopia

48.0856, 0.2238, 0.3046

Trichromacy



Original Color

48.2200, 0.2332, 0.3593



Protanomaly

44.5409, 0.2700, 0.3480



Deuteranomaly

44.5168, 0.2641, 0.3260



Tritanomaly

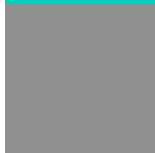
48.0141, 0.2262, 0.3244

Monochromacy



Original Color

48.2200, 0.2332, 0.3593



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

31.9998, 0.2578, 0.3407

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2200, 0.2332, 0.3593 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(1, 207, 187)` looks like.

```
.text, #text, p{  
    color:rgb(1, 207, 187)  
}
```

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(1, 207, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 207, 187) }
```

Border

The CSS property to change the border of an element to Yxy 48.2200, 0.2332, 0.3593 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(1, 207, 187) }
```

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

```
.border{ border-color:rgb(1, 207, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 207, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 207, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 207, 187);  
box-shadow:4px 4px 4px 4px rgb(1, 207,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2200, 0.2332, 0.3593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 207, 187) }
```

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

```
.background{ background-color: rgb(1, 207,  
187) }
```

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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