

Converting Colors

$Y_{xy}(48.7192, 0.2261, 0.3340)$

Have a look what the booklet for
Yxy(48.7192, 0.2261, 0.3340)
contains.

Yxy(48.9374, 0.2263, 0.3347)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.9374, 0.2263, 0.3347)

Conversions

Conversions Part 1

Format	Color
Hex	00CFCB
RGB	0, 207, 203
RGB Percent	0%, 81%, 80%
CMY	1.0000, 0.1882, 0.2040
CMYK	1.00, 0.00, 0.02, 0.19
HSL	179°, 100%, 41%
HSV	179°, 100%, 81%
XYZ	33.0879, 48.9374, 64.1874
YIQ	144.6510, -122.0880, -45.1280

Conversions

Conversions Part 2

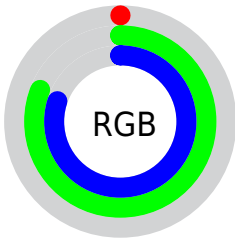
Format	Color
RYB	0, 105, 207
Decimal	53195
CIELab	75.41, -42.29, -10.09
CIELCh	75, 43.472, 193.421
Yxy	48.9374, 0.2263, 0.3347
Android (android.graphics.Color)	4278243275 (0xFF00CFCB)
YUV	144.6510, 28.7661, -126.8589
Hunter-Lab	69.9553, -37.9935, -5.4328

Details

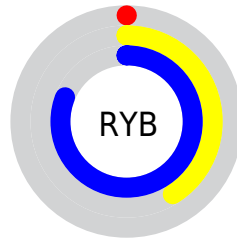
The Yxy color **48.9374, 0.2263, 0.3347** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **13.2754, 0.6383, 0.3290**, and the grayscale version is **28.0857, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8658, 0.2405, 0.3288**, and **24.6264, 0.2263, 0.3346** is the 20% darker color. If you saturate the color by 10%, you get **48.9404, 0.2263, 0.3347**, and if you desaturate by 10%, it is **49.1158, 0.2275, 0.3341**.

Distribution



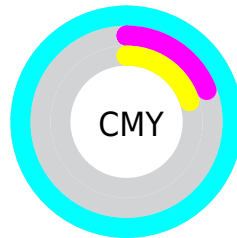
- Red (0%)
- Green (81%)
- Blue (80%)



- Red (0%)
- Yellow (41%)
- Blue (81%)



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (19%)



- Cyan (100%)
- Magenta (19%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9374, 0.2263, 0.3347 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 48.9374, 0.2263, 0.3347 by changing the saturation by 10% instead.


 48.9374, 0.2263,
0.3347


 48.9374, 0.2263,
0.3347


382.4958, 0.2680,
0.3331


 34.5698, 0.2164,
0.3347


 88.5985, 0.2411,
0.3344


 23.3317, 0.2041,
0.3345


 114.6608, 0.2467,
0.3342

 14.8386, 0.1883,
0.3339


 145.3901, 0.2515,
0.3340

 8.7062, 0.1674,
0.3324

 181.1708, 0.2557,
0.3338

 4.5501, 0.1389,
0.3288

 222.3873, 0.2594,
0.3336

 1.9858, 0.0953,
0.3211

269.4241, 0.2626,

 0.5992, 0.0000,

0.3334

0.2977

322.6655, 0.2654,
0.3333

■ 0.0000, 0.0000,
0.0000

■ 48.9374, 0.2263,
0.3347

■ 48.9374, 0.2263,
0.3347

■ 48.9404, 0.2263,
0.3347

■ 49.1158, 0.2275,
0.3341

■ 49.4587, 0.2300,
0.3335

■ 50.0257, 0.2344,
0.3328

■ 50.8477, 0.2407,
0.3322

■ 51.9506, 0.2488,
0.3316

■ 53.3570, 0.2589,
0.3310

■ 55.0873, 0.2705,
0.3305

■ 57.1603, 0.2835,
0.3299

■ 59.5930, 0.2977,
0.3294

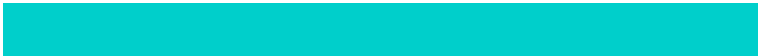
Harmonies

Analogous

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



48.9374, 0.2685, 0.3951



48.9374, 0.2263, 0.3347



48.9374, 0.2071, 0.2799

Triad

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



48.9374, 0.2263, 0.3347



48.9374, 0.2910, 0.2459



48.9374, 0.4212, 0.4038

Complementary

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



48.9374, 0.2263, 0.3347



13.2754, 0.6383, 0.3290

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.



48.9374, 0.4313, 0.3601



48.9374, 0.2263, 0.3347



48.9374, 0.3519, 0.2738

Square

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



48.9374, 0.2263, 0.3347



48.9374, 0.2414, 0.2355



48.9374, 0.4054, 0.3141



48.9374, 0.3813, 0.4337

Rectangle

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



48.9374, 0.2263, 0.3347



48.9374, 0.2080, 0.2547



48.9374, 0.4054, 0.3141



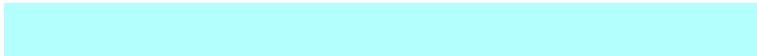
48.9374, 0.4284, 0.3900

Sweetspot

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



48.9404, 0.2263, 0.3347



88.1687, 0.2700, 0.3305



44.6742, 0.3006, 0.5995



18.6062, 0.2649, 0.3307



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.



48.9404, 0.2263, 0.3347



78.4244, 0.2263, 0.3348



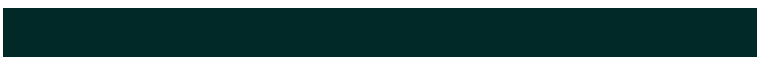
15.7447, 0.1800, 0.1678



13.4030, 0.2986, 0.3294



30.8336, 0.2263, 0.3346



1.7253, 0.2260, 0.3335

Inverse Universe

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



13.2754, 0.6383, 0.3290



21.2709, 0.6387, 0.3292



21.7430, 0.5517, 0.4002



11.8119, 0.3288, 0.3286



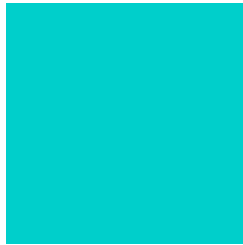
8.3650, 0.6378, 0.3287



0.4691, 0.6302, 0.3246

Previews

White Background



This preview shows how the Yxy color 48.9374, 0.2263, 0.3347 looks on a white background.

Color Contrast Check

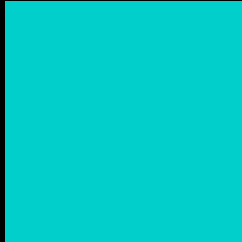
Large Text (above 18pt) WCAG AA × Fail

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 48.9374, 0.2263, 0.3347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

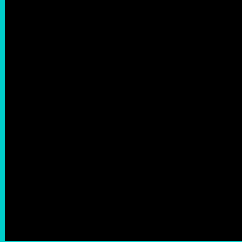
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

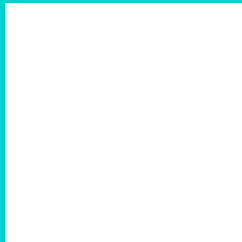
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.9374, 0.2263, 0.3347

Background



This preview shows how black text looks on a background with the Yxy color 48.9374, 0.2263, 0.3347.

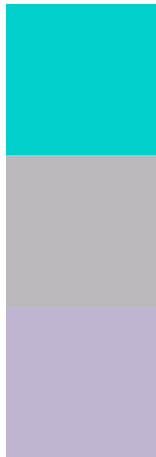


This preview shows how white text looks on a background with the Yxy color 48.9374, 0.2263, 0.3347.

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

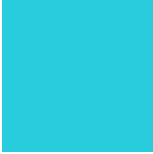
48.9374, 0.2263, 0.3347

Protanopia

47.9802, 0.3106, 0.3213

Deuteranopia

48.3223, 0.2995, 0.2934



Tritanopia

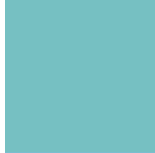
48.8776, 0.2217, 0.3047

Trichromacy



Original Color

48.9374, 0.2263, 0.3347



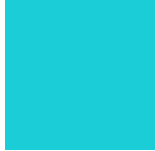
Protanomaly

45.4459, 0.2586, 0.3260



Deuteranomaly

45.4695, 0.2530, 0.3052



Tritanomaly

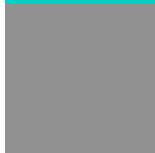
48.7373, 0.2228, 0.3158

Monochromacy



Original Color

48.9374, 0.2263, 0.3347



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

33.0337, 0.2544, 0.3322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9374, 0.2263, 0.3347 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, 207, 203)` looks like.

```
.text, #text, p{  
    color:rgb(0, 207, 203)  
}
```

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, 207, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 207, 203) }
```

Border

The CSS property to change the border of an element to Yxy 48.9374, 0.2263, 0.3347 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, 207, 203) }
```

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

```
.border{ border-color:rgb(0, 207, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 207, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 207, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 207, 203);  
box-shadow:4px 4px 4px 4px rgb(0, 207,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9374, 0.2263, 0.3347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 207, 203) }
```

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

```
.background{ background-color: rgb(0, 207,  
203) }
```

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