

Converting Colors

$Y_{xy}(46.1261, 0.2148, 0.3575)$

Have a look what the booklet for
Yxy(46.1261, 0.2148, 0.3575)
contains.

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Color

Yxy(47.7735, 0.2323, 0.3563)

Conversions

Conversions Part 1

Format	Color
Hex	00CEBC
RGB	0, 206, 188
RGB Percent	0%, 81%, 74%
CMY	1.0000, 0.1921, 0.2627
CMYK	1.00, 0.00, 0.09, 0.19
HSL	175°, 100%, 40%
HSV	175°, 100%, 81%
XYZ	31.1473, 47.7735, 55.1614
YIQ	142.3540, -116.9980, -49.2700

Conversions

Conversions Part 2

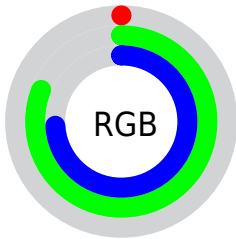
Format	Color
RYB	0, 108, 206
Decimal	52924
CIELab	74.68, -46.15, -3.09
CIELCh	75, 46.255, 183.829
Yxy	47.7735, 0.2323, 0.3563
Android (android.graphics.Color)	4278243004 (0xFF00CEBC)
YUV	142.3540, 22.5035, -124.8445
Hunter-Lab	69.1184, -40.5184, 1.0652

Details

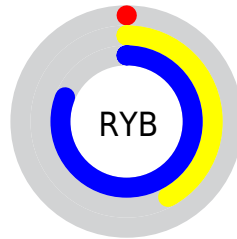
The Yxy color **47.7735, 0.2323, 0.3563** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **13.1662, 0.6313, 0.3251**, and the grayscale version is **27.1431, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0549, 0.2442, 0.3418**, and **23.8825, 0.2338, 0.3616** is the 20% darker color. If you saturate the color by 10%, you get **47.7764, 0.2323, 0.3563**, and if you desaturate by 10%, it is **48.0096, 0.2329, 0.3534**.

Distribution



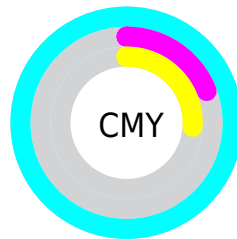
- Red (0%)
- Green (81%)
- Blue (74%)



- Red (0%)
- Yellow (42%)
- Blue (81%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (19%)



- Cyan (100%)
- Magenta (19%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.7735, 0.2323, 0.3563 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 47.7735, 0.2323, 0.3563 by changing the saturation by 10% instead.


 47.7735, 0.2323,
0.3563

 47.7735, 0.2323,
0.3563


377.8936, 0.2717,
0.3433


 33.6476, 0.2228,
0.3593


 86.8671, 0.2464,
0.3517

 22.6230, 0.2108,
0.3631


 112.6035, 0.2517,
0.3500


 14.3154, 0.1953,
0.3678


 142.9788, 0.2563,
0.3485

 8.3403, 0.1744,
0.3739

 178.3775, 0.2602,
0.3472

 4.3135, 0.1451,
0.3818

 219.1840, 0.2636,
0.3460

 1.8504, 0.0898,
0.3973

265.7825, 0.2666,

 0.5183, 0.0000,

0.3450

0.3991

318.5576, 0.2693,
0.3441

■ 0.0000, 0.0000,
0.0000

■ 47.7735, 0.2323,
0.3563

■ 47.7735, 0.2323,
0.3563

■ 47.7764, 0.2323,
0.3563

■ 48.0096, 0.2329,
0.3534

■ 48.4091, 0.2350,
0.3504

■ 49.0313, 0.2389,
0.3474

■ 49.9066, 0.2448,
0.3445

■ 51.0604, 0.2525,
0.3415

■ 52.5152, 0.2620,
0.3387

■ 54.2913, 0.2730,
0.3360

■ 56.4070, 0.2853,
0.3335

■ 58.8793, 0.2987,
0.3311

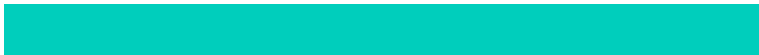
Harmonies

Analogous

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



47.7735, 0.2834, 0.4176



47.7735, 0.2323, 0.3563



47.7735, 0.2039, 0.2926

Triad

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



47.7735, 0.2323, 0.3563



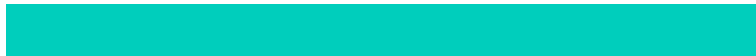
47.7735, 0.2704, 0.2350



47.7735, 0.4361, 0.3939

Complementary

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



47.7735, 0.2323, 0.3563



13.1662, 0.6313, 0.3251

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.



47.7735, 0.4351, 0.3456



47.7735, 0.2323, 0.3563



47.7735, 0.3333, 0.2591

Square

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



47.7735, 0.2323, 0.3563



47.7735, 0.2243, 0.2305



47.7735, 0.3961, 0.2981



47.7735, 0.4019, 0.4330

Rectangle

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



47.7735, 0.2323, 0.3563



47.7735, 0.1995, 0.2608



47.7735, 0.3961, 0.2981



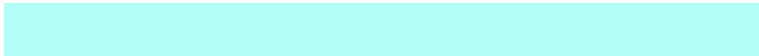
47.7735, 0.4402, 0.3782

Sweetspot

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



47.7764, 0.2323, 0.3563



87.8413, 0.2726, 0.3361



44.3002, 0.3022, 0.5983



18.5266, 0.2677, 0.3373



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.



47.7764, 0.2323, 0.3563



77.3875, 0.2324, 0.3567



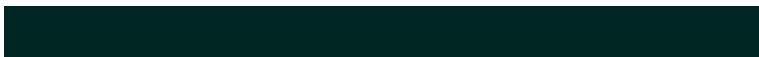
18.7725, 0.1865, 0.1913



12.7095, 0.2995, 0.3310



29.4248, 0.2322, 0.3559



1.5231, 0.2306, 0.3501

Inverse Universe

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



13.1662, 0.6313, 0.3251



21.3190, 0.6327, 0.3259



19.2179, 0.5709, 0.3849



11.2293, 0.3277, 0.3270



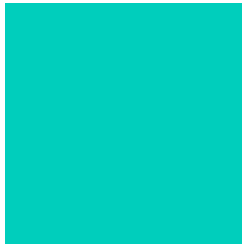
8.1130, 0.6293, 0.3240



0.4242, 0.5969, 0.3062

Previews

White Background



This preview shows how the Yxy color 47.7735, 0.2323, 0.3563 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 47.7735, 0.2323, 0.3563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

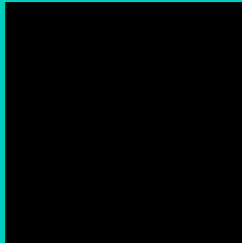
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

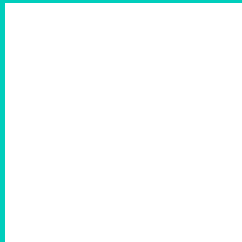
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.7735, 0.2323, 0.3563

Background



This preview shows how black text looks on a background with the Yxy color 47.7735, 0.2323, 0.3563.

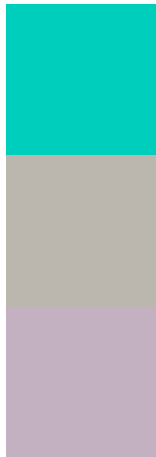


This preview shows how white text looks on a background with the Yxy color 47.7735, 0.2323, 0.3563.

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

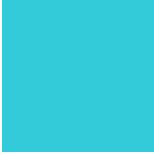
47.7735, 0.2323, 0.3563

Protanopia

47.0767, 0.3234, 0.3394

Deuteranopia

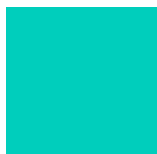
46.9414, 0.3146, 0.3079



Tritanopia

48.0068, 0.2240, 0.3060

Trichromacy



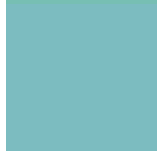
Original Color

47.7735, 0.2323, 0.3563



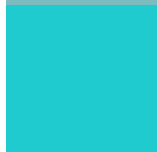
Protanomaly

44.4382, 0.2681, 0.3466



Deuteranomaly

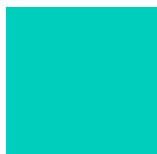
44.0573, 0.2626, 0.3231



Tritanomaly

47.5239, 0.2257, 0.3229

Monochromacy



Original Color

47.7735, 0.2323, 0.3563



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

31.5871, 0.2569, 0.3391

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7735, 0.2323, 0.3563 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, 206, 188)` looks like.

```
.text, #text, p{  
    color:rgb(0, 206, 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, 206, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 206, 188) }
```

Border

The CSS property to change the border of an element to Yxy 47.7735, 0.2323, 0.3563 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, 206, 188) }
```

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

```
.border{ border-color:rgb(0, 206, 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, 206, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 206, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 206, 188);  
box-shadow:4px 4px 4px 4px rgb(0, 206,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7735, 0.2323, 0.3563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 206, 188) }
```

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

```
.background{ background-color: rgb(0, 206,  
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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