

Converting Colors

$Y_{xy}(41.9686, 0.2019, 0.3732)$

Have a look what the booklet for
Yxy(41.9686, 0.2019, 0.3732)
contains.

Yxy(44.9079, 0.2357, 0.3685)	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(44.9079, 0.2357, 0.3685)

Conversions

Conversions Part 1

Format	Color
Hex	00C9B0
RGB	0, 201, 176
RGB Percent	0%, 79%, 69%
CMY	0.9999, 0.2118, 0.3097
CMYK	1.00, 0.00, 0.12, 0.21
HSL	173°, 100%, 39%
HSV	173°, 100%, 79%
XYZ	28.7240, 44.9079, 48.2349
YIQ	138.0510, -111.7710, -50.3870

Conversions

Conversions Part 2

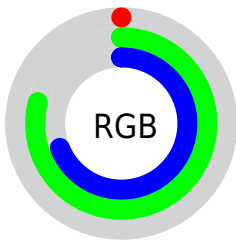
Format	Color
RYB	0, 107, 201
Decimal	51632
CIELab	72.83, -47.36, 0.69
CIELCh	73, 47.362, 179.160
Yxy	44.9079, 0.2357, 0.3685
Android (android.graphics.Color)	4278241712 (0xFF00C9B0)
YUV	138.0510, 18.7089, -121.0707
Hunter-Lab	67.0134, -40.7628, 4.2336

Details

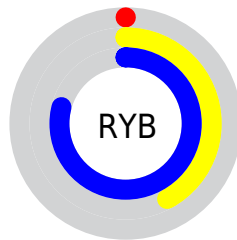
The Yxy color **44.9079, 0.2357, 0.3685** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **12.4885, 0.6253, 0.3218**, and the grayscale version is **25.3989, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2298, 0.2485, 0.3565**, and **22.0130, 0.2378, 0.3762** is the 20% darker color. If you saturate the color by 10%, you get **44.9094, 0.2357, 0.3685**, and if you desaturate by 10%, it is **45.1593, 0.2360, 0.3642**.

Distribution



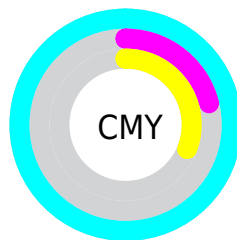
- Red (0%)
- Green (79%)
- Blue (69%)



- Red (0%)
- Yellow (42%)
- Blue (79%)



- Cyan (100%)
- Magenta (0%)
- Yellow (12%)
- Black (21%)




- Cyan (100%)
- Magenta (21%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.9079, 0.2357, 0.3685 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 44.9079, 0.2357, 0.3685 by changing the saturation by 10% instead.


 44.9079, 0.2357,
0.3685

 44.9079, 0.2357,
0.3685


366.4004, 0.2741,
0.3488


 31.3849, 0.2262,
0.3734


 82.5822, 0.2496,
0.3613

 20.8921, 0.2142,
0.3797


 107.5023, 0.2548,
0.3586


 13.0452, 0.1983,
0.3879


 136.9901, 0.2592,
0.3564

 7.4597, 0.1767,
0.3993

 171.4302, 0.2630,
0.3544

 3.7512, 0.1457,
0.4157

 211.2069, 0.2663,
0.3527

 1.5354, 0.0582,
0.4608

256.7045, 0.2692,

 0.3134, 0.0000,

0.3512

0.5171

308.3076, 0.2718,
0.3499

■ 0.0000, 0.0000,
0.0000

■ 44.9079, 0.2357,
0.3685

■ 44.9079, 0.2357,
0.3685

■ 44.9094, 0.2357,
0.3685

■ 45.1593, 0.2360,
0.3642

■ 45.5666, 0.2378,
0.3599

■ 46.1853, 0.2415,
0.3556

■ 47.0439, 0.2471,
0.3512

■ 48.1664, 0.2546,
0.3470

■ 49.5740, 0.2637,
0.3429

■ 51.2858, 0.2744,
0.3391

■ 53.3189, 0.2863,
0.3354

■ 55.6894, 0.2992,
0.3321

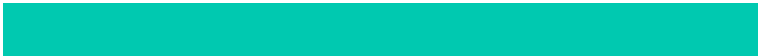
Harmonies

Analogous

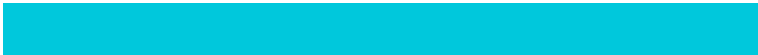
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.9079, 0.2916, 0.4297



44.9079, 0.2357, 0.3685



44.9079, 0.2024, 0.3000

Triad

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



44.9079, 0.2357, 0.3685



44.9079, 0.2596, 0.2292



44.9079, 0.4440, 0.3884

Complementary

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



44.9079, 0.2357, 0.3685



12.4885, 0.6253, 0.3218

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.



44.9079, 0.4368, 0.3378



44.9079, 0.2357, 0.3685



44.9079, 0.3233, 0.2513

Square

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



44.9079, 0.2357, 0.3685



44.9079, 0.2154, 0.2279



44.9079, 0.3906, 0.2897



44.9079, 0.4129, 0.4320

Rectangle

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



44.9079, 0.2357, 0.3685



44.9079, 0.1950, 0.2643



44.9079, 0.3906, 0.2897



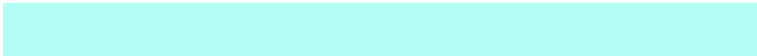
44.9079, 0.4462, 0.3718

Sweetspot

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



44.9096, 0.2357, 0.3685



87.6667, 0.2739, 0.3392



42.0049, 0.3034, 0.5973



18.4842, 0.2692, 0.3409



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.



44.9096, 0.2357, 0.3685



76.8637, 0.2359, 0.3691



19.4760, 0.1899, 0.2035



12.0440, 0.3000, 0.3319



28.2459, 0.2355, 0.3679



1.3440, 0.2330, 0.3589

Inverse Universe

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



12.4885, 0.6253, 0.3218



21.3627, 0.6274, 0.3230



17.2774, 0.5798, 0.3778



10.6580, 0.3270, 0.3262



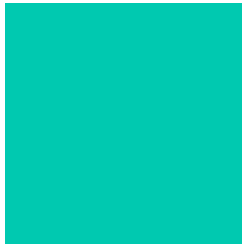
7.8592, 0.6229, 0.3205



0.3794, 0.5781, 0.2958

Previews

White Background



This preview shows how the Yxy color 44.9079, 0.2357, 0.3685 looks on a white background.

Color Contrast Check

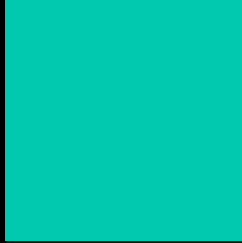
Large Text (above 18pt) WCAG AA × Fail

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 44.9079, 0.2357, 0.3685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

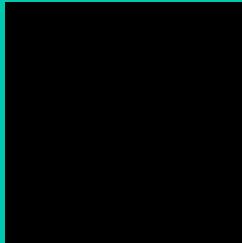
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

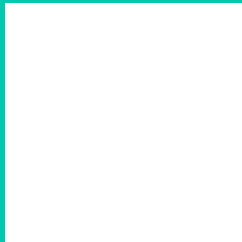
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.9079, 0.2357, 0.3685

Background



This preview shows how black text looks on a background with the Yxy color 44.9079, 0.2357, 0.3685.

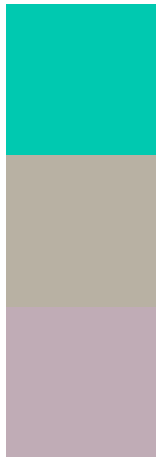


This preview shows how white text looks on a background with the Yxy color 44.9079, 0.2357, 0.3685.

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

44.9079, 0.2357, 0.3685

Protanopia

44.2790, 0.3306, 0.3477

Deuteranopia

44.0889, 0.3223, 0.3162



Tritanopia

45.0176, 0.2249, 0.3054

Trichromacy



Original Color

44.9079, 0.2357, 0.3685



Protanomaly

41.7269, 0.2729, 0.3563



Deuteranomaly

41.2998, 0.2679, 0.3333



Tritanomaly

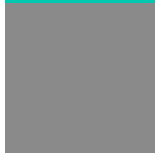
44.8518, 0.2274, 0.3272

Monochromacy



Original Color

44.9079, 0.2357, 0.3685



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

29.8314, 0.2592, 0.3447

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9079, 0.2357, 0.3685 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, 201, 176)` looks like.

```
.text, #text, p{  
    color:rgb(0, 201, 176)  
}
```

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, 201, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 201, 176) }
```

Border

The CSS property to change the border of an element to Yxy 44.9079, 0.2357, 0.3685 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, 201, 176) }
```

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

```
.border{ border-color:rgb(0, 201, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 201, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 201, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 201, 176);  
box-shadow:4px 4px 4px 4px rgb(0, 201,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9079, 0.2357, 0.3685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 201, 176) }
```

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

```
.background{ background-color: rgb(0, 201,  
176) }
```

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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