

Converting Colors

$Yxy(44.1199, 0.2328, 0.3408)$

Have a look what the booklet for
Yxy(44.1199, 0.2328, 0.3408)
contains.

Yxy(44.0989, 0.2329, 0.3411)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(44.0989, 0.2329, 0.3411)

Conversions

Conversions Part 1

Format	Color
Hex	2AC5BD
RGB	42, 197, 189
RGB Percent	16%, 77%, 74%
CMY	0.8349, 0.2275, 0.2588
CMYK	0.79, 0.00, 0.04, 0.23
HSL	177°, 65%, 47%
HSV	177°, 79%, 77%
XYZ	30.1103, 44.0989, 55.0751
YIQ	149.7430, -89.8120, -35.3480

Conversions

Conversions Part 2

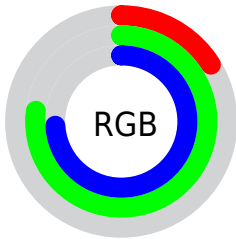
Format	Color
RYB	42, 122, 197
Decimal	2803133
CIELab	72.29, -39.73, -7.12
CIELCh	72, 40.364, 190.162
Yxy	44.0989, 0.2329, 0.3411
Android (android.graphics.Color)	4280993213 (0xFF2AC5BD)
YUV	149.7430, 19.3537, -94.4906
Hunter-Lab	66.4070, -35.2766, -2.6877

Details

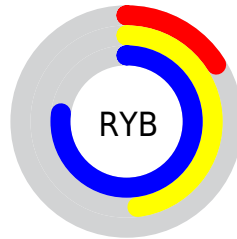
The Yxy color **44.0989, 0.2329, 0.3411** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted spring green. A complement of this color would be **13.7648, 0.5736, 0.3231**, and the grayscale version is **30.3440, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1892, 0.2471, 0.3393**, and **21.1236, 0.2282, 0.3414** is the 20% darker color. If you saturate the color by 10%, you get **43.7373, 0.2303, 0.3428**, and if you desaturate by 10%, it is **44.6683, 0.2373, 0.3394**.

Distribution



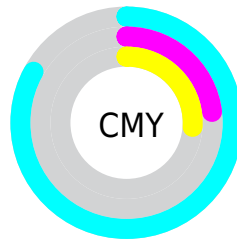
- Red (16%)
- Green (77%)
- Blue (74%)



- Red (16%)
- Yellow (48%)
- Blue (77%)



- Cyan (79%)
- Magenta (0%)
- Yellow (4%)
- Black (23%)





- Cyan (83%)
- Magenta (23%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.0989, 0.2329, 0.3411 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 44.0989, 0.2329, 0.3411 by changing the saturation by 10% instead.


 44.0989, 0.2329,
0.3411

 44.0989, 0.2329,
0.3411

363.1117, 0.2723,
0.3359

 30.7483, 0.2233,
0.3421


 81.3665, 0.2471,
0.3394


 20.4072, 0.2111,
0.3432

 106.0523, 0.2524,
0.3387


 12.6914, 0.1953,
0.3443


 135.2853, 0.2570,
0.3381

 7.2164, 0.1738,
0.3453

 169.4499, 0.2609,
0.3376

 3.5978, 0.1436,
0.3452

 208.9304, 0.2643,
0.3371

 1.4512, 0.0780,
0.3494

254.1113, 0.2673,

 0.2540, 0.0000,

0.3367

0.2470

305.3769, 0.2699,
0.3363

0.0000, 0.0000,
0.0000

44.0989, 0.2329,
0.3411

44.0989, 0.2329,
0.3411

43.7373, 0.2303,
0.3428

44.6683, 0.2373,
0.3394

43.5359, 0.2292,
0.3445

45.4668, 0.2437,
0.3377

43.5124, 0.2291,
0.3447

46.5185, 0.2519,
0.3360

47.8433, 0.2619,
0.3344

49.4589, 0.2735,
0.3329

■ 51.3817, 0.2863,
0.3314

■ 53.6267, 0.3002,
0.3301

■ 56.2080, 0.3148,
0.3288

■ 59.1390, 0.3298,
0.3277

Harmonies

Analogous

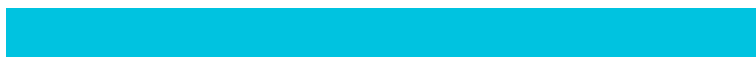
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.0989, 0.2758, 0.3978



44.0989, 0.2329, 0.3411



44.0989, 0.2116, 0.2869

Triad

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



44.0989, 0.2329, 0.3411



44.0989, 0.2860, 0.2467



44.0989, 0.4198, 0.3973

Complementary

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



44.0989, 0.2329, 0.3411



13.7648, 0.5736, 0.3231

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.



44.0989, 0.4257, 0.3545



44.0989, 0.2329, 0.3411



44.0989, 0.3441, 0.2722

Square

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



44.0989, 0.2329, 0.3411



44.0989, 0.2399, 0.2388



44.0989, 0.3972, 0.3102



44.0989, 0.3842, 0.4278

Rectangle

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



44.0989, 0.2329, 0.3411



44.0989, 0.2107, 0.2608



44.0989, 0.3972, 0.3102



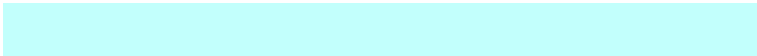
44.0989, 0.4255, 0.3837

Sweetspot

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



44.1006, 0.2329, 0.3411



89.9813, 0.2788, 0.3322



40.8410, 0.3048, 0.5704



19.0042, 0.2742, 0.3328



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.



44.1006, 0.2329, 0.3411



78.0736, 0.2295, 0.3439



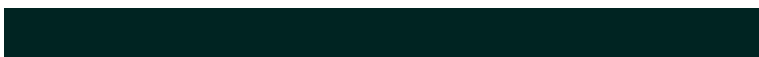
20.4589, 0.1996, 0.2148



12.0578, 0.2991, 0.3302



28.6248, 0.2290, 0.3445



1.3584, 0.2281, 0.3410

Inverse Universe

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



13.7648, 0.5736, 0.3231



21.6924, 0.6270, 0.3268



23.0239, 0.5070, 0.4033



10.6457, 0.3282, 0.3278



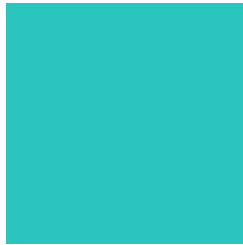
7.8261, 0.6338, 0.3265



0.3737, 0.6123, 0.3147

Previews

White Background



This preview shows how the Yxy color 44.0989, 0.2329, 0.3411 looks on a white background.

Color Contrast Check

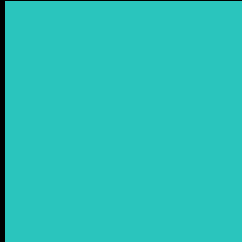
Large Text (above 18pt) WCAG AA × Fail

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 44.0989, 0.2329, 0.3411 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

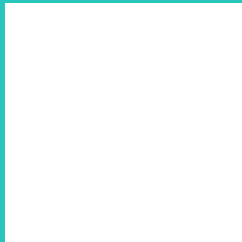
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.0989, 0.2329, 0.3411

Background



This preview shows how black text looks on a background with the Yxy color 44.0989, 0.2329, 0.3411.

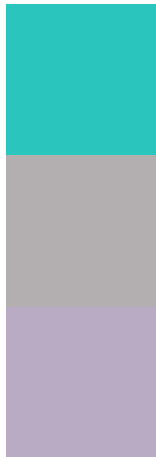


This preview shows how white text looks on a background with the Yxy color 44.0989, 0.2329, 0.3411.

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

44.0989, 0.2329, 0.3411

Protanopia

43.3782, 0.3154, 0.3277

Deuteranopia

43.2563, 0.3045, 0.2981



Tritanopia

44.1363, 0.2260, 0.3053

Trichromacy



Original Color

44.0989, 0.2329, 0.3411



Protanomaly

41.8703, 0.2720, 0.3318



Deuteranomaly

41.3983, 0.2658, 0.3103



Tritanomaly

44.0245, 0.2284, 0.3183

Monochromacy



Original Color

44.0989, 0.2329, 0.3411



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

33.6973, 0.2681, 0.3337

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.0989, 0.2329, 0.3411 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(42, 197, 189)` looks like.

```
.text, #text, p{  
    color:rgb(42, 197, 189)  
}
```

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(42, 197, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 197, 189) }
```

Border

The CSS property to change the border of an element to Yxy 44.0989, 0.2329, 0.3411 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(42, 197, 189) }
```

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

```
.border{ border-color:rgb(42, 197, 189) }
```

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

Here you see how a box with a 4 pixel rgb(42, 197, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 197, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 197, 189);  
box-shadow:4px 4px 4px 4px rgb(42, 197,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 44.0989, 0.2329, 0.3411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 197, 189) }
```

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

```
.background{ background-color: rgb(42, 197,  
189) }
```

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