

Converting Colors

$Yxy(44.0443, 0.2336, 0.3609)$

Have a look what the booklet for
Yxy(44.0443, 0.2336, 0.3609)
contains.

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Color

Yxy(44.1015, 0.2335, 0.3606)

Conversions

Conversions Part 1

Format	Color
Hex	00C7B3
RGB	0, 199, 179
RGB Percent	0%, 78%, 70%
CMY	1.0000, 0.2196, 0.2981
CMYK	1.00, 0.00, 0.10, 0.22
HSL	174°, 100%, 39%
HSV	174°, 100%, 78%
XYZ	28.5571, 44.1015, 49.6417
YIQ	137.2190, -112.1840, -48.4080

Conversions

Conversions Part 2

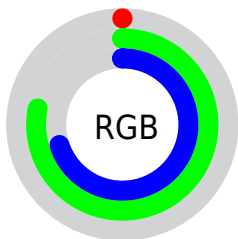
Format	Color
RYB	0, 105, 199
Decimal	51123
CIELab	72.30, -45.70, -1.70
CIElCh	72, 45.734, 182.125
Yxy	44.1015, 0.2335, 0.3606
Android (android.graphics.Color)	4278241203 (0xFF00C7B3)
YUV	137.2190, 20.5980, -120.3411
Hunter-Lab	66.4090, -39.4573, 2.1661

Details

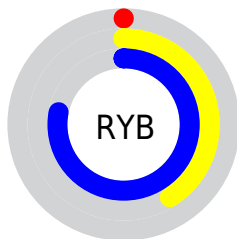
The Yxy color **44.1015, 0.2335, 0.3606** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **12.1936, 0.6291, 0.3239**, and the grayscale version is **25.0561, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.4017, 0.2473, 0.3528**, and **21.4529, 0.2355, 0.3677** is the 20% darker color. If you saturate the color by 10%, you get **44.1036, 0.2335, 0.3606**, and if you desaturate by 10%, it is **44.3329, 0.2341, 0.3572**.

Distribution



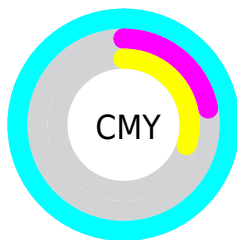
- Red (0%)
- Green (78%)
- Blue (70%)



- Red (0%)
- Yellow (41%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.1015, 0.2335, 0.3606 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 44.1015, 0.2335, 0.3606 by changing the saturation by 10% instead.


 44.1015, 0.2335,
0.3606

 44.1015, 0.2335,
0.3606


363.1223, 0.2729,
0.3451

 30.7503, 0.2238,
0.3643


 81.3705, 0.2477,
0.3551

 20.4088, 0.2115,
0.3691

 106.0570, 0.2531,
0.3529

 12.6925, 0.1953,
0.3752


 135.2908, 0.2577,
0.3511

 7.2172, 0.1732,
0.3834

 169.4563, 0.2616,
0.3496

 3.5983, 0.1418,
0.3946

 208.9377, 0.2650,
0.3483

 1.4515, 0.0527,
0.4293

254.1196, 0.2679,

 0.2542, 0.0000,

0.3471

0.3914

305.3864, 0.2706,
0.3460

■ 0.0000, 0.0000,
0.0000

■ 44.1015, 0.2335,
0.3606

■ 44.1015, 0.2335,
0.3606

■ 44.1036, 0.2335,
0.3606

■ 44.3329, 0.2341,
0.3572

■ 44.7152, 0.2361,
0.3538

■ 45.3034, 0.2399,
0.3503

■ 46.1255, 0.2457,
0.3469

■ 47.2047, 0.2533,
0.3435

■ 48.5618, 0.2627,
0.3402

■ 50.2153, 0.2736,
0.3371

■ 52.1820, 0.2857,
0.3342

■ 54.4776, 0.2989,
0.3315

Harmonies

Analogous

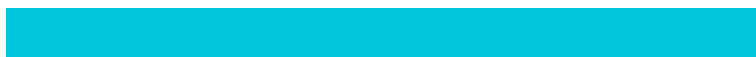
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.1015, 0.2863, 0.4219



44.1015, 0.2335, 0.3606



44.1015, 0.2034, 0.2952

Triad

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



44.1015, 0.2335, 0.3606



44.1015, 0.2666, 0.2329



44.1015, 0.4389, 0.3920

Complementary

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



44.1015, 0.2335, 0.3606



12.1936, 0.6291, 0.3239

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.



44.1015, 0.4358, 0.3428



44.1015, 0.2335, 0.3606



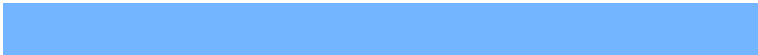
44.1015, 0.3298, 0.2563

Square

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



44.1015, 0.2335, 0.3606



44.1015, 0.2211, 0.2295



44.1015, 0.3942, 0.2951



44.1015, 0.4058, 0.4327

Rectangle

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



44.1015, 0.2335, 0.3606



44.1015, 0.1979, 0.2620



44.1015, 0.3942, 0.2951



44.1015, 0.4424, 0.3759

Sweetspot

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



44.1036, 0.2335, 0.3606



87.7782, 0.2730, 0.3372



41.0346, 0.3028, 0.5978



18.5112, 0.2682, 0.3386



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.



44.1036, 0.2335, 0.3606



77.1958, 0.2336, 0.3611



18.2206, 0.1882, 0.1976



12.0485, 0.2997, 0.3313



28.3649, 0.2334, 0.3601



1.3485, 0.2314, 0.3530

Inverse Universe

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



12.1936, 0.6291, 0.3239



21.3331, 0.6310, 0.3250



17.3514, 0.5752, 0.3815



10.6540, 0.3274, 0.3267



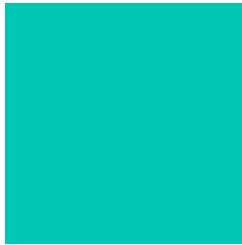
7.8464, 0.6271, 0.3228



0.3776, 0.5887, 0.3017

Previews

White Background



This preview shows how the Yxy color 44.1015, 0.2335, 0.3606 looks on a white background.

Color Contrast Check

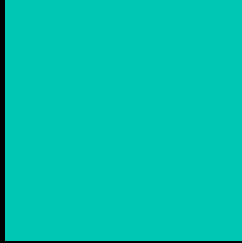
Large Text (above 18pt) WCAG AA × Fail

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 44.1015, 0.2335, 0.3606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

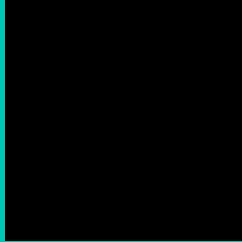
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

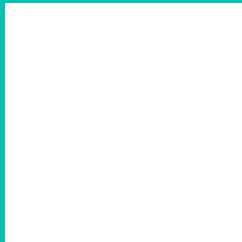
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.1015, 0.2335, 0.3606

Background



This preview shows how black text looks on a background with the Yxy color 44.1015, 0.2335, 0.3606.

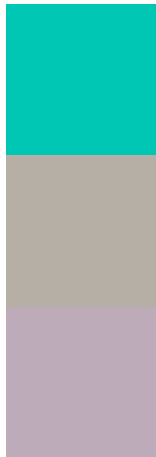


This preview shows how white text looks on a background with the Yxy color 44.1015, 0.2335, 0.3606.

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

44.1015, 0.2335, 0.3606

Protanopia

43.2369, 0.3256, 0.3411

Deuteranopia

43.4474, 0.3171, 0.3110



Tritanopia

43.9405, 0.2243, 0.3052

Trichromacy



Original Color

44.1015, 0.2335, 0.3606



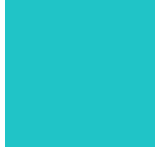
Protanomaly

40.8661, 0.2693, 0.3487



Deuteranomaly

40.4597, 0.2643, 0.3259



Tritanomaly

43.9105, 0.2262, 0.3242

Monochromacy



Original Color

44.1015, 0.2335, 0.3606



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

29.4348, 0.2583, 0.3430

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.1015, 0.2335, 0.3606 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, 199, 179)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 179)  
}
```

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, 199, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 179) }
```

Border

The CSS property to change the border of an element to Yxy 44.1015, 0.2335, 0.3606 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, 199, 179) }
```

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

```
.border{ border-color:rgb(0, 199, 179) }
```

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

Here you see how a box with a 4 pixel rgb(0, 199, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 179);  
box-shadow:4px 4px 4px 4px rgb(0, 199,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 44.1015, 0.2335, 0.3606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 199, 179) }
```

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

```
.background{ background-color: rgb(0, 199,  
179) }
```

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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