

Converting Colors

$Y_{xy}(41.2030, 0.2002, 0.3443)$

Have a look what the booklet for
Yxy(41.2030, 0.2002, 0.3443)
contains.

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Color

Yxy(44.0190, 0.2290, 0.3444)

Conversions

Conversions Part 1

Format	Color
Hex	00C6BC
RGB	0, 198, 188
RGB Percent	0%, 78%, 74%
CMY	1.0000, 0.2235, 0.2628
CMYK	1.00, 0.00, 0.05, 0.22
HSL	177°, 100%, 39%
HSV	177°, 100%, 78%
XYZ	29.2693, 44.0190, 54.5253
YIQ	137.6580, -114.7980, -45.0860

Conversions

Conversions Part 2

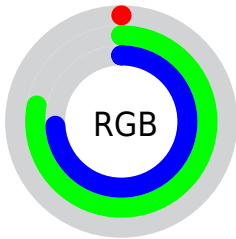
Format	Color
RYB	0, 102, 198
Decimal	50876
CIELab	72.24, -42.70, -6.68
CIELCh	72, 43.224, 188.892
Yxy	44.0190, 0.2290, 0.3444
Android (android.graphics.Color)	4278240956 (0xFF00C6BC)
YUV	137.6580, 24.8186, -120.7261
Hunter-Lab	66.3468, -37.3605, -2.2831

Details

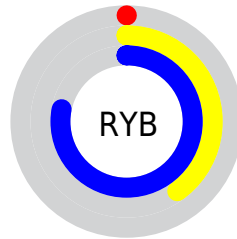
The Yxy color **44.0190, 0.2290, 0.3444** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **12.0284, 0.6352, 0.3273**, and the grayscale version is **25.2160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9947, 0.2439, 0.3418**, and **21.3942, 0.2294, 0.3457** is the 20% darker color. If you saturate the color by 10%, you get **44.0211, 0.2290, 0.3444**, and if you desaturate by 10%, it is **44.2111, 0.2300, 0.3428**.

Distribution



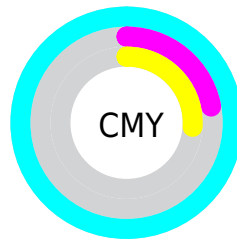
- Red (0%)
- Green (78%)
- Blue (74%)



- Red (0%)
- Yellow (40%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.0190, 0.2290, 0.3444 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 44.0190, 0.2290, 0.3444 by changing the saturation by 10% instead.

 44.0190, 0.2290,
0.3444


 44.0190, 0.2290,
0.3444

362.7858, 0.2703,
0.3376


 30.6854, 0.2190,
0.3458


 81.2463, 0.2438,
0.3422

 20.3594, 0.2062,
0.3474


 105.9089, 0.2495,
0.3412


 12.6566, 0.1897,
0.3491


 135.1166, 0.2542,
0.3404

 7.1925, 0.1673,
0.3509

 169.2538, 0.2583,
0.3397

 3.5828, 0.1361,
0.3520

 208.7050, 0.2619,
0.3391

 1.4430, 0.0614,
0.3608

253.8544, 0.2651,

 0.2481, 0.0000,

0.3386

0.2518

305.0866, 0.2678,
0.3381

■ 0.0000, 0.0000,
0.0000

■ 44.0190, 0.2290,
0.3444

■ 44.0190, 0.2290,
0.3444

■ 44.0211, 0.2290,
0.3444

■ 44.2111, 0.2300,
0.3428

■ 44.5513, 0.2324,
0.3411

■ 45.0942, 0.2365,
0.3394

■ 45.8672, 0.2426,
0.3378

■ 46.8936, 0.2506,
0.3361

■ 48.1937, 0.2604,
0.3345

■ 49.7857, 0.2717,
0.3330

■ 51.6865, 0.2844,
0.3316

■ 53.9113, 0.2982,
0.3302

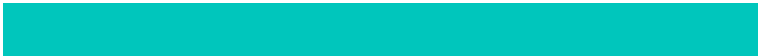
Harmonies

Analogous

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



44.0190, 0.2753, 0.4054



44.0190, 0.2290, 0.3444



44.0190, 0.2056, 0.2856

Triad

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



44.0190, 0.2290, 0.3444



44.0190, 0.2815, 0.2409



44.0190, 0.4281, 0.3993

Complementary

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



44.0190, 0.2290, 0.3444



12.0284, 0.6352, 0.3273

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.



44.0190, 0.4332, 0.3534



44.0190, 0.2290, 0.3444



44.0190, 0.3434, 0.2671

Square

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



44.0190, 0.2290, 0.3444



44.0190, 0.2335, 0.2332



44.0190, 0.4013, 0.3068



44.0190, 0.3907, 0.4336

Rectangle

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



44.0190, 0.2290, 0.3444



44.0190, 0.2040, 0.2574



44.0190, 0.4013, 0.3068



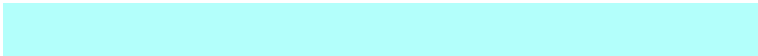
44.0190, 0.4338, 0.3846

Sweetspot

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



44.0211, 0.2290, 0.3444



88.0175, 0.2712, 0.3331



40.4777, 0.3013, 0.5989



18.5694, 0.2662, 0.3337



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.



44.0211, 0.2290, 0.3444



77.9370, 0.2291, 0.3446



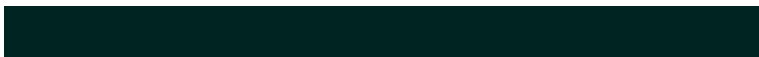
15.7107, 0.1833, 0.1799



12.0579, 0.2991, 0.3301



28.6302, 0.2289, 0.3442



1.3586, 0.2280, 0.3407

Inverse Universe

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



12.0284, 0.6352, 0.3273



21.2888, 0.6365, 0.3280



18.6306, 0.5609, 0.3928



10.6455, 0.3282, 0.3279



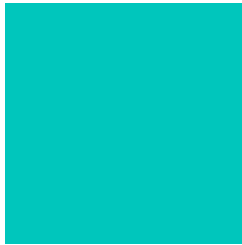
7.8257, 0.6339, 0.3266



0.3736, 0.6128, 0.3150

Previews

White Background



This preview shows how the Yxy color 44.0190, 0.2290, 0.3444 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 44.0190, 0.2290, 0.3444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

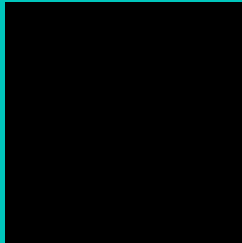
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

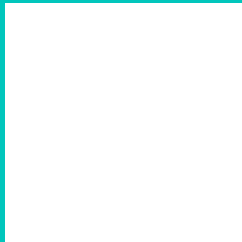
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.0190, 0.2290, 0.3444

Background



This preview shows how black text looks on a background with the Yxy color 44.0190, 0.2290, 0.3444.

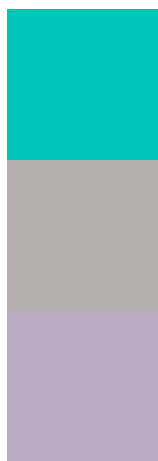


This preview shows how white text looks on a background with the Yxy color 44.0190, 0.2290, 0.3444.

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

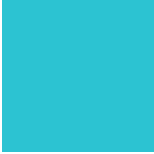
44.0190, 0.2290, 0.3444

Protanopia

43.2996, 0.3171, 0.3304

Deuteranopia

43.3351, 0.3062, 0.2995



Tritanopia

44.2188, 0.2232, 0.3066

Trichromacy



Original Color

44.0190, 0.2290, 0.3444



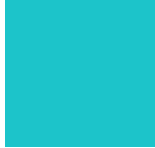
Protanomaly

40.6991, 0.2634, 0.3349



Deuteranomaly

40.7051, 0.2574, 0.3127



Tritanomaly

43.9910, 0.2244, 0.3197

Monochromacy



Original Color

44.0190, 0.2290, 0.3444



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

29.6166, 0.2562, 0.3358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.0190, 0.2290, 0.3444 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, 198, 188)` looks like.

```
.text, #text, p{  
    color:rgb(0, 198, 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, 198, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 198, 188) }
```

Border

The CSS property to change the border of an element to Yxy 44.0190, 0.2290, 0.3444 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, 198, 188) }
```

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

```
.border{ border-color:rgb(0, 198, 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, 198, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 198, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 198, 188);  
box-shadow:4px 4px 4px 4px rgb(0, 198,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 44.0190, 0.2290, 0.3444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 198, 188) }
```

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

```
.background{ background-color: rgb(0, 198,  
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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