

Converting Colors

$Y_{xy}(46.8751, 0.2396, 0.3494)$

Have a look what the booklet for
Yxy(46.8751, 0.2396, 0.3494)
contains.

Yxy(46.8640, 0.2399, 0.3500)	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(46.8640, 0.2399, 0.3500)

Conversions

Conversions Part 1

Format	Color
Hex	3DCABC
RGB	61, 202, 188
RGB Percent	24%, 79%, 74%
CMY	0.7605, 0.2078, 0.2629
CMYK	0.70, 0.00, 0.07, 0.21
HSL	174°, 57%, 52%
HSV	174°, 70%, 79%
XYZ	32.1219, 46.8640, 54.9112
YIQ	158.2450, -79.5420, -34.2460

Conversions

Conversions Part 2

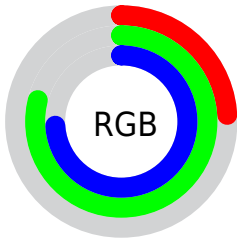
Format	Color
RYB	61, 135, 202
Decimal	4049596
CIELab	74.10, -40.10, -3.85
CIELCh	74, 40.281, 185.479
Yxy	46.8640, 0.2399, 0.3500
Android (android.graphics.Color)	4282239676 (0xFF3DCABC)
YUV	158.2450, 14.6692, -85.2839
Hunter-Lab	68.4573, -36.0434, 0.3622

Details

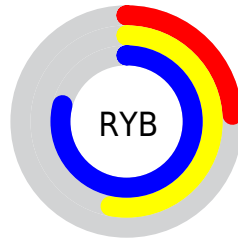
The Yxy color **46.8640, 0.2399, 0.3500** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted spring green. A complement of this color would be **16.4107, 0.5239, 0.3149**, and the grayscale version is **34.2762, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5637, 0.2517, 0.3416**, and **22.6167, 0.2316, 0.3538** is the 20% darker color. If you saturate the color by 10%, you get **46.2541, 0.2360, 0.3534**, and if you desaturate by 10%, it is **47.7200, 0.2457, 0.3466**.

Distribution



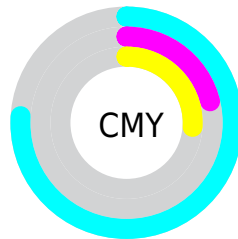
- Red (24%)
- Green (79%)
- Blue (74%)



- Red (24%)
- Yellow (53%)
- Blue (79%)



- Cyan (70%)
- Magenta (0%)
- Yellow (7%)
- Black (21%)




- Cyan (76%)
- Magenta (21%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8640, 0.2399, 0.3500 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 46.8640, 0.2399, 0.3500 by changing the saturation by 10% instead.


 46.8640, 0.2399,
0.3500


 46.8640, 0.2399,
0.3500


374.2714, 0.2757,
0.3401


 32.9282, 0.2312,
0.3523


 85.5106, 0.2527,
0.3465


 22.0714, 0.2202,
0.3551


 110.9901, 0.2576,
0.3452

 13.9094, 0.2058,
0.3586


 141.0863, 0.2618,
0.3440

 8.0577, 0.1864,
0.3631

 176.1836, 0.2653,
0.3430

 4.1319, 0.1588,
0.3688

 216.6664, 0.2684,
0.3422

 1.7476, 0.1095,
0.3790

262.9190, 0.2711,

 0.4542, 0.0000,

0.3414

0.3730

315.3259, 0.2735,
0.3407

■ 0.0000, 0.0000,
0.0000

■ 46.8640, 0.2399,
0.3500

■ 46.8640, 0.2399,
0.3500

■ 46.2541, 0.2360,
0.3534

■ 47.7200, 0.2457,
0.3466

■ 45.8564, 0.2340,
0.3568

■ 48.8412, 0.2534,
0.3433

■ 45.6198, 0.2334,
0.3602

■ 50.2505, 0.2628,
0.3400

■ 45.6149, 0.2334,
0.3603

■ 51.9672, 0.2737,
0.3370

■ 54.0089, 0.2860,
0.3341

■ 56.3916, 0.2992,
0.3314

■ 59.1305, 0.3130,
0.3289

■ 62.2398, 0.3274,
0.3267

■ 65.7329, 0.3418,
0.3248

Harmonies

Analogous

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



46.8640, 0.2847, 0.4033



46.8640, 0.2399, 0.3500



46.8640, 0.2153, 0.2952

Triad

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



46.8640, 0.2399, 0.3500



46.8640, 0.2785, 0.2459



46.8640, 0.4206, 0.3900

Complementary

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



46.8640, 0.2399, 0.3500



16.4107, 0.5239, 0.3149

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.



46.8640, 0.4209, 0.3473



46.8640, 0.2399, 0.3500



46.8640, 0.3344, 0.2684

Square

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



46.8640, 0.2399, 0.3500



46.8640, 0.2361, 0.2411



46.8640, 0.3884, 0.3043



46.8640, 0.3897, 0.4225

Rectangle

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



46.8640, 0.2399, 0.3500



46.8640, 0.2120, 0.2675



46.8640, 0.3884, 0.3043



46.8640, 0.4245, 0.3763

Sweetspot

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



46.8658, 0.2399, 0.3500



90.8813, 0.2840, 0.3345



44.0820, 0.3087, 0.5470



19.2382, 0.2806, 0.3353



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.



46.8658, 0.2399, 0.3500



77.9090, 0.2347, 0.3553



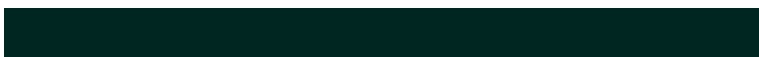
25.7016, 0.2109, 0.2376



12.7070, 0.2997, 0.3313



29.3594, 0.2333, 0.3598



1.5203, 0.2314, 0.3532

Inverse Universe

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



16.4107, 0.5239, 0.3149



23.1813, 0.5887, 0.3181



25.7199, 0.4860, 0.3953



11.2315, 0.3275, 0.3267



8.1189, 0.6274, 0.3230



0.4252, 0.5915, 0.3032

Previews

White Background



This preview shows how the Yxy color 46.8640, 0.2399, 0.3500 looks on a white background.

Color Contrast Check

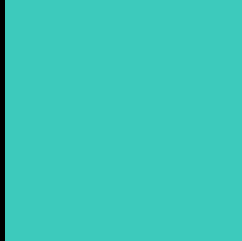
Large Text (above 18pt) WCAG AA × Fail

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 46.8640, 0.2399, 0.3500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

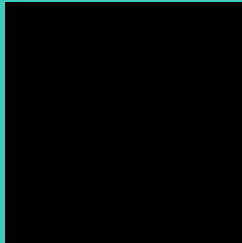
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

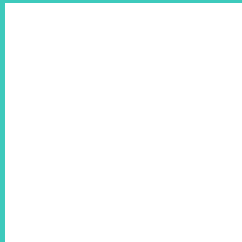
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.8640, 0.2399, 0.3500

Background



This preview shows how black text looks on a background with the Yxy color 46.8640, 0.2399, 0.3500.

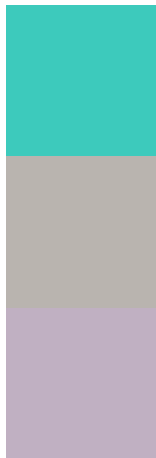


This preview shows how white text looks on a background with the Yxy color 46.8640, 0.2399, 0.3500.

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

46.8640, 0.2399, 0.3500

Protanopia

46.0519, 0.3211, 0.3356

Deuteranopia

46.1522, 0.3120, 0.3064



Tritanopia

46.7391, 0.2307, 0.3060

Trichromacy



Original Color

46.8640, 0.2399, 0.3500



Protanomaly

44.8372, 0.2811, 0.3403



Deuteranomaly

44.4330, 0.2756, 0.3192



Tritanomaly

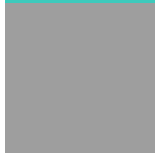
46.5567, 0.2335, 0.3200

Monochromacy



Original Color

46.8640, 0.2399, 0.3500



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

37.3476, 0.2746, 0.3366

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8640, 0.2399, 0.3500 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(61, 202, 188)` looks like.

```
.text, #text, p{  
    color:rgb(61, 202, 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(61, 202, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 202, 188) }
```

Border

The CSS property to change the border of an element to Yxy 46.8640, 0.2399, 0.3500 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(61, 202, 188) }
```

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

```
.border{ border-color:rgb(61, 202, 188) }
```

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

Here you see how a box with a 4 pixel rgb(61, 202, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 202, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 202, 188);  
box-shadow:4px 4px 4px 4px rgb(61, 202,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8640, 0.2399, 0.3500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 202, 188) }
```

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

```
.background{ background-color: rgb(61, 202,  
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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