

Converting Colors

$Y_{xy}(29.7020, 0.2307, 0.3872)$

Have a look what the booklet for
Yxy(29.7020, 0.2307, 0.3872)
contains.

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Color

Yxy(30.2400, 0.2405, 0.3859)

Conversions

Conversions Part 1

Format	Color
Hex	00A98B
RGB	0, 169, 139
RGB Percent	0%, 66%, 55%
CMY	1.0000, 0.3372, 0.4548
CMYK	1.00, 0.00, 0.18, 0.34
HSL	169°, 100%, 33%
HSV	169°, 100%, 66%
XYZ	18.8461, 30.2400, 29.2761
YIQ	115.0490, -91.0940, -45.1580

Conversions

Conversions Part 2

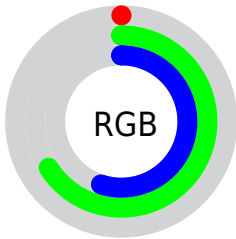
Format	Color
RYB	0, 93, 169
Decimal	43403
CIELab	61.86, -44.04, 5.16
CIELCh	62, 44.345, 173.323
Yxy	30.2400, 0.2405, 0.3859
Android (android.graphics.Color)	4278233483 (0xFF00A98B)
YUV	115.0490, 11.8078, -100.8980
Hunter-Lab	54.9909, -35.0597, 6.9287

Details

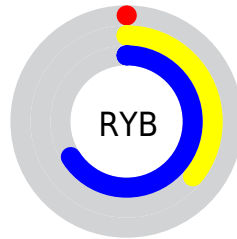
The Yxy color **30.2400, 0.2405, 0.3859** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.5295, 0.6119, 0.3144**, and the grayscale version is **17.1461, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9834, 0.2556, 0.3744**, and **13.2121, 0.2451, 0.4023** is the 20% darker color. If you saturate the color by 10%, you get **30.2431, 0.2405, 0.3859**, and if you desaturate by 10%, it is **30.4503, 0.2406, 0.3796**.

Distribution



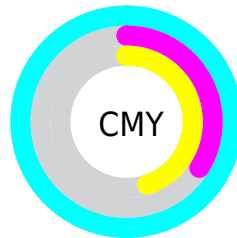
- Red (0%)
- Green (66%)
- Blue (55%)



- Red (0%)
- Yellow (36%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (34%)




- Cyan (100%)
- Magenta (34%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2400, 0.2405, 0.3859 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 30.2400, 0.2405, 0.3859 by changing the saturation by 10% instead.


 30.2400, 0.2405,
0.3859


 30.2400, 0.2405,
0.3859


 303.0215, 0.2793,
0.3547


 20.0208, 0.2299,
0.3947


 60.0415, 0.2553,
0.3739


 12.4102, 0.2158,
0.4066


 80.3926, 0.2606,
0.3696

 7.0237, 0.1960,
0.4238


 104.8899, 0.2650,
0.3660

 3.4769, 0.1666,
0.4503

 133.9176, 0.2688,
0.3630

 1.3855, 0.0657,
0.5265

 167.8603, 0.2720,
0.3605

 0.2060, 0.0000,
1.0000

 207.1022, 0.2747,

 0.0000, 0.0000,

0.3583

0.0000

252.0278, 0.2771,
0.3564

■ 30.2400, 0.2405,
0.3859

■ 30.2400, 0.2405,
0.3859

■ 30.2431, 0.2405,
0.3859

■ 30.4503, 0.2406,
0.3796

■ 30.7601, 0.2422,
0.3733

■ 31.2132, 0.2456,
0.3670

■ 31.8280, 0.2509,
0.3608

■ 32.6202, 0.2580,
0.3547

■ 33.6033, 0.2667,
0.3488

■ 34.7899, 0.2768,
0.3433

■ 36.1912, 0.2880,
0.3381

■ 37.8176, 0.3001,
0.3334

Harmonies

Analogous

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



30.2400, 0.3029, 0.4460



30.2400, 0.2405, 0.3859



30.2400, 0.2003, 0.3106

Triad

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



30.2400, 0.2405, 0.3859



30.2400, 0.2451, 0.2213



30.2400, 0.4546, 0.3808

Complementary

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



30.2400, 0.2405, 0.3859



8.5295, 0.6119, 0.3144

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.



30.2400, 0.4386, 0.3273



30.2400, 0.2405, 0.3859



30.2400, 0.3095, 0.2407

Square

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



30.2400, 0.2405, 0.3859



30.2400, 0.2035, 0.2243



30.2400, 0.3827, 0.2782



30.2400, 0.4279, 0.4301

Rectangle

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



30.2400, 0.2405, 0.3859



30.2400, 0.1891, 0.2694



30.2400, 0.3827, 0.2782



30.2400, 0.4543, 0.3629

Sweetspot

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



30.2431, 0.2405, 0.3859



62.1774, 0.2762, 0.3436



28.6696, 0.3062, 0.5951



13.3573, 0.2720, 0.3458



84.8088, 0.3127, 0.3290



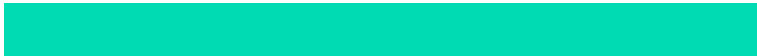
15.4872, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.2431, 0.2405, 0.3859



54.1308, 0.2408, 0.3870



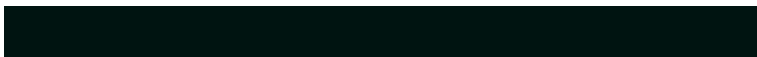
15.2379, 0.1953, 0.2229



8.5089, 0.3010, 0.3330



22.5451, 0.2404, 0.3852



0.5543, 0.2346, 0.3645

Inverse Universe

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



8.5295, 0.6119, 0.3144



15.2525, 0.6154, 0.3164



11.0296, 0.5909, 0.3690



7.5632, 0.3259, 0.3250



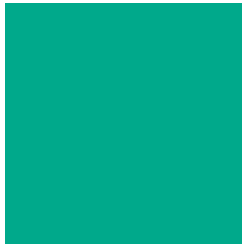
6.3623, 0.6096, 0.3132



0.1609, 0.5313, 0.2701

Previews

White Background



This preview shows how the Yxy color 30.2400, 0.2405, 0.3859 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 30.2400, 0.2405, 0.3859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

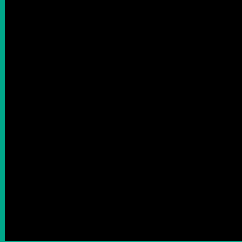
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.2400, 0.2405, 0.3859

Background



This preview shows how black text looks on a background with the Yxy color 30.2400, 0.2405, 0.3859.

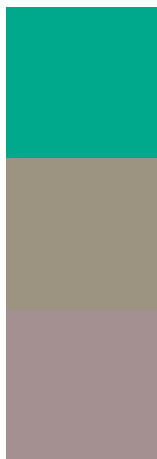


This preview shows how white text looks on a background with the Yxy color 30.2400, 0.2405, 0.3859.

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

30.2400, 0.2405, 0.3859

Protanopia

29.8062, 0.3410, 0.3604

Deuteranopia

29.8834, 0.3332, 0.3276



Tritanopia

30.3782, 0.2268, 0.3064

Trichromacy



Original Color

30.2400, 0.2405, 0.3859



Protanomaly

28.0955, 0.2810, 0.3725



Deuteranomaly

27.7087, 0.2759, 0.3466



Tritanomaly

30.2081, 0.2302, 0.3341

Monochromacy



Original Color

30.2400, 0.2405, 0.3859



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

20.1996, 0.2621, 0.3518

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2400, 0.2405, 0.3859 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, 169, 139)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 139)  
}
```

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, 169, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 139) }
```

Border

The CSS property to change the border of an element to Yxy 30.2400, 0.2405, 0.3859 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, 169, 139) }
```

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

```
.border{ border-color:rgb(0, 169, 139) }
```

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

Here you see how a box with a 4 pixel rgb(0, 169, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 139);  
box-shadow:4px 4px 4px 4px rgb(0, 169,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2400, 0.2405, 0.3859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 169, 139) }
```

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

```
.background{ background-color: rgb(0, 169,  
139) }
```

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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