

Converting Colors

$Y_{xy}(28.8782, 0.2109, 0.3769)$

Have a look what the booklet for
Yxy(28.8782, 0.2109, 0.3769)
contains.

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Color

Yxy(30.4203, 0.2372, 0.3739)

Conversions

Conversions Part 1

Format	Color
Hex	00A991
RGB	0, 169, 145
RGB Percent	0%, 66%, 57%
CMY	0.9999, 0.3372, 0.4314
CMYK	1.00, 0.00, 0.14, 0.34
HSL	171°, 100%, 33%
HSV	171°, 100%, 66%
XYZ	19.2985, 30.4203, 31.6407
YIQ	115.7330, -93.0200, -43.2920

Conversions

Conversions Part 2

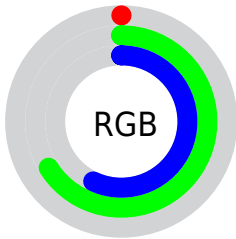
Format	Color
RYB	0, 91, 169
Decimal	43409
CIELab	62.02, -42.40, 2.04
CIELCh	62, 42.445, 177.250
Yxy	30.4203, 0.2372, 0.3739
Android (android.graphics.Color)	4278233489 (0xFF00A991)
YUV	115.7330, 14.4286, -101.4978
Hunter-Lab	55.1546, -34.0638, 4.5952

Details

The Yxy color **30.4203, 0.2372, 0.3739** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.5017, 0.6198, 0.3188**, and the grayscale version is **17.3573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3011, 0.2522, 0.3643**, and **13.3170, 0.2403, 0.3850** is the 20% darker color. If you saturate the color by 10%, you get **30.4213, 0.2372, 0.3739**, and if you desaturate by 10%, it is **30.6146, 0.2376, 0.3690**.

Distribution



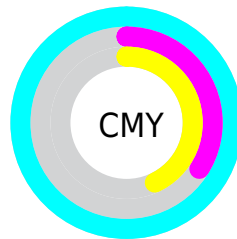
- Red (0%)
- Green (66%)
- Blue (57%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (34%)





- Cyan (100%)
- Magenta (34%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4203, 0.2372, 0.3739 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 30.4203, 0.2372, 0.3739 by changing the saturation by 10% instead.


 30.4203, 0.2372,
0.3739


 30.4203, 0.2372,
0.3739


 303.8587, 0.2774,
0.3498

 20.1578, 0.2264,
0.3805


 60.3262, 0.2524,
0.3647


 12.5098, 0.2120,
0.3894


 80.7385, 0.2579,
0.3614

 7.0919, 0.1920,
0.4019


 105.3028, 0.2625,
0.3586

 3.5196, 0.1628,
0.4206

 134.4035, 0.2664,
0.3563

 1.4087, 0.0768,
0.4718

 168.4250, 0.2698,
0.3543

 0.2231, 0.0000,
0.6894

 207.7518, 0.2726,

 0.0000, 0.0000,

0.3526

0.0000

252.7682, 0.2752,
0.3511

■ 30.4203, 0.2372,
0.3739

■ 30.4203, 0.2372,
0.3739

■ 30.4213, 0.2372,
0.3739

■ 30.6146, 0.2376,
0.3690

■ 30.9096, 0.2395,
0.3641

■ 31.3471, 0.2431,
0.3591

■ 31.9455, 0.2487,
0.3542

■ 32.7203, 0.2560,
0.3494

■ 33.6852, 0.2650,
0.3448

■ 34.8526, 0.2755,
0.3404

■ 36.2338, 0.2871,
0.3363

■ 37.8394, 0.2996,
0.3325

Harmonies

Analogous

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



30.4203, 0.2951, 0.4348



30.4203, 0.2372, 0.3739



30.4203, 0.2017, 0.3033

Triad

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



30.4203, 0.2372, 0.3739



30.4203, 0.2550, 0.2267



30.4203, 0.4473, 0.3860

Complementary

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



30.4203, 0.2372, 0.3739



8.5017, 0.6198, 0.3188

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.



30.4203, 0.4374, 0.3345



30.4203, 0.2372, 0.3739



30.4203, 0.3189, 0.2479

Square

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



30.4203, 0.2372, 0.3739



30.4203, 0.2116, 0.2267



30.4203, 0.3882, 0.2860



30.4203, 0.4176, 0.4315

Rectangle

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



30.4203, 0.2372, 0.3739



30.4203, 0.1932, 0.2659



30.4203, 0.3882, 0.2860



30.4203, 0.4488, 0.3690

Sweetspot

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



30.4215, 0.2372, 0.3739



62.2926, 0.2749, 0.3406



28.5885, 0.3045, 0.5964



13.3855, 0.2705, 0.3424



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.



30.4215, 0.2372, 0.3739



54.4569, 0.2374, 0.3748



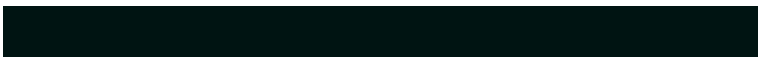
13.9859, 0.1920, 0.2110



8.5135, 0.3005, 0.3322



22.6779, 0.2371, 0.3734



0.5566, 0.2325, 0.3571

Inverse Universe

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



8.5017, 0.6198, 0.3188



15.2064, 0.6229, 0.3205



11.5799, 0.5822, 0.3759



7.5590, 0.3264, 0.3258



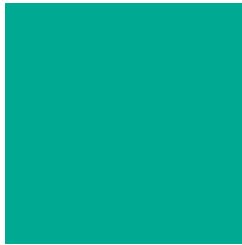
6.3408, 0.6179, 0.3178



0.1593, 0.5490, 0.2798

Previews

White Background



This preview shows how the Yxy color 30.4203, 0.2372, 0.3739 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 30.4203, 0.2372, 0.3739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

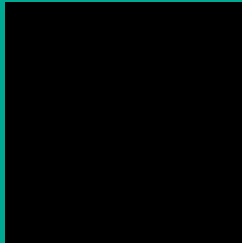
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.4203, 0.2372, 0.3739

Background



This preview shows how black text looks on a background with the Yxy color 30.4203, 0.2372, 0.3739.

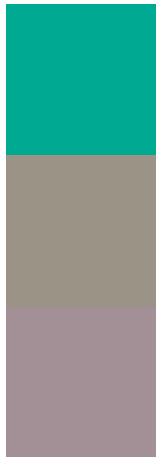


This preview shows how white text looks on a background with the Yxy color 30.4203, 0.2372, 0.3739.

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

30.4203, 0.2372, 0.3739

Protanopia

29.8696, 0.3338, 0.3510

Deuteranopia

29.9351, 0.3270, 0.3200



Tritanopia

30.3696, 0.2256, 0.3048

Trichromacy



Original Color

30.4203, 0.2372, 0.3739



Protanomaly

28.2646, 0.2763, 0.3612



Deuteranomaly

27.8636, 0.2720, 0.3377



Tritanomaly

30.3016, 0.2284, 0.3288

Monochromacy



Original Color

30.4203, 0.2372, 0.3739



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

20.3161, 0.2604, 0.3453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4203, 0.2372, 0.3739 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, 145)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 145)  
}
```

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, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 145) }
```

Border

The CSS property to change the border of an element to Yxy 30.4203, 0.2372, 0.3739 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, 145) }
```

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

```
.border{ border-color:rgb(0, 169, 145) }
```

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, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 145);  
box-shadow:4px 4px 4px 4px rgb(0, 169,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4203, 0.2372, 0.3739 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, 145) }
```

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

```
.background{ background-color: rgb(0, 169,  
145) }
```

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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