

Converting Colors

$Y_{xy}(24.4100, 0.1138, 0.3815)$

Have a look what the booklet for
Yxy(24.4100, 0.1138, 0.3815)
contains.

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Color

Yxy(30.8876, 0.2360, 0.3697)

Conversions

Conversions Part 1

Format	Color
Hex	00AA94
RGB	0, 170, 148
RGB Percent	0%, 67%, 58%
CMY	1.0000, 0.3333, 0.4196
CMYK	1.00, 0.00, 0.13, 0.33
HSL	172°, 100%, 33%
HSV	172°, 100%, 67%
XYZ	19.7173, 30.8876, 32.9429
YIQ	116.6620, -94.2580, -42.8820

Conversions

Conversions Part 2

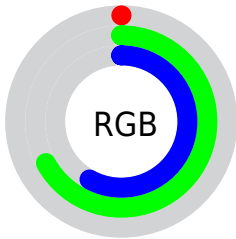
Format	Color
RYB	0, 91, 170
Decimal	43668
CIELab	62.41, -42.00, 0.93
CIELCh	62, 42.009, 178.733
Yxy	30.8876, 0.2360, 0.3697
Android (android.graphics.Color)	4278233748 (0xFF00AA94)
YUV	116.6620, 15.4496, -102.3126
Hunter-Lab	55.5766, -33.9315, 3.7597

Details

The Yxy color **30.8876, 0.2360, 0.3697** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.6049, 0.6225, 0.3203**, and the grayscale version is **17.6542, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0367, 0.2514, 0.3613**, and **13.5856, 0.2394, 0.3818** is the 20% darker color. If you saturate the color by 10%, you get **30.8909, 0.2360, 0.3697**, and if you desaturate by 10%, it is **31.0804, 0.2366, 0.3653**.

Distribution



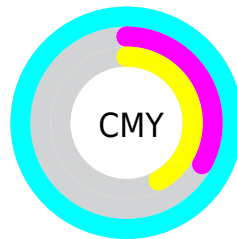
- Red (0%)
- Green (67%)
- Blue (58%)



- Red (0%)
- Yellow (36%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (33%)



- Cyan (100%)
- Magenta (33%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 30.8876, 0.2360, 0.3697 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 30.8876, 0.2360, 0.3697 by changing the saturation by 10% instead.

 30.8876, 0.2360,
0.3697


 30.8876, 0.2360,
0.3697


 306.0202, 0.2766,
0.3480

 20.5133, 0.2251,
0.3755


 61.0631, 0.2513,
0.3615

 12.7687, 0.2107,
0.3833


 81.6330, 0.2569,
0.3585

 7.2695, 0.1909,
0.3941


 106.3702, 0.2616,
0.3560

 3.6312, 0.1620,
0.4100

 135.6592, 0.2655,
0.3539

 1.4695, 0.0861,
0.4506

 169.8843, 0.2689,
0.3521

 0.2671, 0.0000,
0.5418

 209.4299, 0.2718,

 0.0000, 0.0000,

0.3506

0.0000

254.6804, 0.2744,
0.3492

■ 30.8876, 0.2360,
0.3697

■ 30.8876, 0.2360,
0.3697

■ 30.8909, 0.2360,
0.3697

■ 31.0804, 0.2366,
0.3653

■ 31.3730, 0.2385,
0.3608

■ 31.8098, 0.2422,
0.3563

■ 32.4093, 0.2479,
0.3519

■ 33.1875, 0.2553,
0.3475

■ 34.1581, 0.2644,
0.3433

■ 35.3338, 0.2750,
0.3394

■ 36.7261, 0.2867,
0.3356

■ 38.3455, 0.2994,
0.3322

Harmonies

Analogous

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



30.8876, 0.2924, 0.4308



30.8876, 0.2360, 0.3697



30.8876, 0.2022, 0.3007

Triad

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



30.8876, 0.2360, 0.3697



30.8876, 0.2586, 0.2286



30.8876, 0.4448, 0.3879

Complementary

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



30.8876, 0.2360, 0.3697



8.6049, 0.6225, 0.3203

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.



30.8876, 0.4370, 0.3371



30.8876, 0.2360, 0.3697



30.8876, 0.3223, 0.2505

Square

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



30.8876, 0.2360, 0.3697



30.8876, 0.2145, 0.2276



30.8876, 0.3901, 0.2888



30.8876, 0.4140, 0.4320

Rectangle

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



30.8876, 0.2360, 0.3697



30.8876, 0.1946, 0.2646



30.8876, 0.3901, 0.2888



30.8876, 0.4469, 0.3712

Sweetspot

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



30.8909, 0.2360, 0.3697



63.9769, 0.2744, 0.3396



28.9308, 0.3038, 0.5970



14.0639, 0.2699, 0.3412



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



30.8909, 0.2360, 0.3697



56.0195, 0.2363, 0.3705



13.5586, 0.1903, 0.2050



8.5151, 0.3004, 0.3319



22.7271, 0.2359, 0.3692



0.5574, 0.2318, 0.3545

Inverse Universe

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



8.6049, 0.6225, 0.3203



15.5932, 0.6254, 0.3219



12.0289, 0.5778, 0.3794



7.5575, 0.3266, 0.3261



6.3341, 0.6205, 0.3192



0.1587, 0.5557, 0.2835

Previews

White Background



This preview shows how the Yxy color 30.8876, 0.2360, 0.3697 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 30.8876, 0.2360, 0.3697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

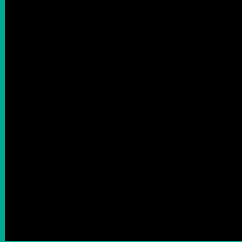
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.8876, 0.2360, 0.3697

Background



This preview shows how black text looks on a background with the Yxy color 30.8876, 0.2360, 0.3697.

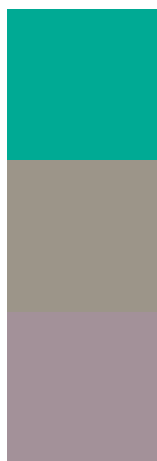


This preview shows how white text looks on a background with the Yxy color 30.8876, 0.2360, 0.3697.

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

30.8876, 0.2360, 0.3697

Protanopia

30.3690, 0.3317, 0.3477

Deuteranopia

30.3372, 0.3238, 0.3171



Tritanopia

31.1080, 0.2257, 0.3066

Trichromacy



Original Color

30.8876, 0.2360, 0.3697



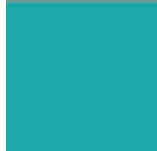
Protanomaly

28.6897, 0.2742, 0.3574



Deuteranomaly

28.2886, 0.2699, 0.3341



Tritanomaly

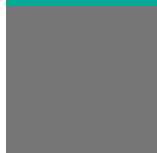
30.7258, 0.2277, 0.3270

Monochromacy



Original Color

30.8876, 0.2360, 0.3697



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

20.6227, 0.2599, 0.3453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8876, 0.2360, 0.3697 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, 170, 148)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 148)  
}
```

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, 170, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 148) }
```

Border

The CSS property to change the border of an element to Yxy 30.8876, 0.2360, 0.3697 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, 170, 148) }
```

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

```
.border{ border-color:rgb(0, 170, 148) }
```

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

Here you see how a box with a 4 pixel rgb(0, 170, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 148);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8876, 0.2360, 0.3697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 170, 148) }
```

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

```
.background{ background-color: rgb(0, 170,  
148) }
```

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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