

Converting Colors

$Yxy(23.1408, 0.1816, 0.3669)$

Have a look what the booklet for
Yxy(23.1408, 0.1816, 0.3669)
contains.

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Color

Yxy(25.9780, 0.2346, 0.3646)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 009D8B |
| RGB | 0, 157, 139 |
| RGB Percent | 0%, 62%, 55% |
| CMY | 1.0000, 0.3843, 0.4549 |
| CMYK | 1.00, 0.00, 0.11, 0.38 |
| HSL | 173°, 100%, 31% |
| HSV | 173°, 100%, 62% |
| XYZ | 16.7154, 25.9780, 28.5573 |
| YIQ | 108.0050, -87.7940, -38.8820 |

Conversions

Conversions Part 2

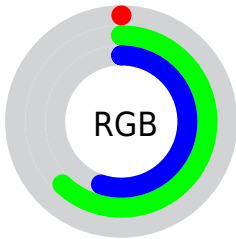
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 0, 83, 157 |
| Decimal | 40331 |
| CIELab | 58.02, -38.90, -0.41 |
| CIElCh | 58, 38.905, 180.600 |
| Yxy | 25.9780, 0.2346, 0.3646 |
| Android (android.graphics.Color) | 4278230411 (0xFF009D8B) |
| YUV | 108.0050, 15.2805, -94.7204 |
| Hunter-Lab | 50.9686, -30.6551, 2.4584 |

Details

The Yxy color **25.9780, 0.2346, 0.3646** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.2124, 0.6242, 0.3212**, and the grayscale version is **14.9733, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.0664, 0.2510, 0.3574**, and **10.8244, 0.2375, 0.3751** is the 20% darker color. If you saturate the color by 10%, you get **25.9799, 0.2346, 0.3646**, and if you desaturate by 10%, it is **26.1405, 0.2354, 0.3607**.

Distribution



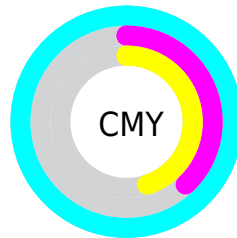
- Red (0%)
- Green (62%)
- Blue (55%)



- Red (0%)
- Yellow (33%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (38%)




- Cyan (100%)
- Magenta (38%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.9780, 0.2346, 0.3646 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 25.9780, 0.2346, 0.3646 by changing the saturation by 10% instead.


 25.9780, 0.2346,
0.3646


 25.9780, 0.2346,
0.3646


282.6741, 0.2770,
0.3454


 16.8072, 0.2229,
0.3699


 53.2395, 0.2508,
0.3572


 10.0971, 0.2071,
0.3770

 72.0989, 0.2567,
0.3546


 5.4634, 0.1848,
0.3870

 94.9566, 0.2615,
0.3524

 2.5216, 0.1514,
0.4018

 122.1971, 0.2656,
0.3505

 0.8874, 0.0000,
0.4714

 154.2047, 0.2691,
0.3490

 0.0000, 0.0000,
0.0000

 191.3638, 0.2721,

0.3476

234.0588, 0.2747,
0.3464

■ 25.9780, 0.2346,
0.3646

■ 25.9780, 0.2346,
0.3646

■ 25.9799, 0.2346,
0.3646

■ 26.1405, 0.2354,
0.3607

■ 26.3845, 0.2375,
0.3568

■ 26.7485, 0.2414,
0.3529

■ 27.2477, 0.2472,
0.3490

■ 27.8951, 0.2548,
0.3452

■ 28.7020, 0.2640,
0.3416

■ 29.6787, 0.2747,
0.3381

■ 30.8348, 0.2865,
0.3348

■ 32.1789, 0.2993,
0.3318

Harmonies

Analogous

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



25.9780, 0.2890, 0.4259



25.9780, 0.2346, 0.3646



25.9780, 0.2028, 0.2976

Triad

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



25.9780, 0.2346, 0.3646



25.9780, 0.2630, 0.2310



25.9780, 0.4415, 0.3902

Complementary

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



25.9780, 0.2346, 0.3646



7.2124, 0.6242, 0.3212

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.



25.9780, 0.4363, 0.3403



25.9780, 0.2346, 0.3646



25.9780, 0.3265, 0.2537

Square

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



25.9780, 0.2346, 0.3646



25.9780, 0.2182, 0.2287



25.9780, 0.3924, 0.2923



25.9780, 0.4094, 0.4324

Rectangle

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



25.9780, 0.2346, 0.3646



25.9780, 0.1964, 0.2631



25.9780, 0.3924, 0.2923



25.9780, 0.4444, 0.3738

Sweetspot

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



25.9799, 0.2346, 0.3646



53.0378, 0.2740, 0.3383



24.2476, 0.3033, 0.5973



11.5140, 0.2697, 0.3396



78.7412, 0.3127, 0.3290



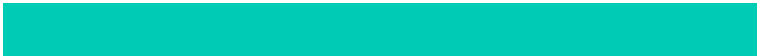
13.2868, 0.3127, 0.3290

Same Dimension

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



25.9799, 0.2346, 0.3646



46.5055, 0.2348, 0.3653



10.9507, 0.1889, 0.2000



7.4964, 0.3003, 0.3316



21.1021, 0.2345, 0.3643



0.3807, 0.2302, 0.3487

Inverse Universe

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



7.2124, 0.6242, 0.3212



12.9008, 0.6271, 0.3228



10.4199, 0.5722, 0.3839



6.6579, 0.3267, 0.3265



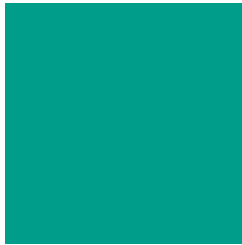
5.8604, 0.6229, 0.3205



0.1079, 0.5573, 0.2844

Previews

White Background



This preview shows how the Yxy color 25.9780, 0.2346, 0.3646 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 25.9780, 0.2346, 0.3646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

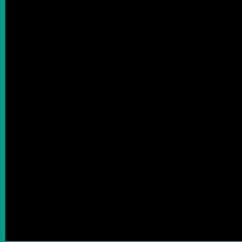
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.9780, 0.2346, 0.3646

Background



This preview shows how black text looks on a background with the Yxy color 25.9780, 0.2346, 0.3646.

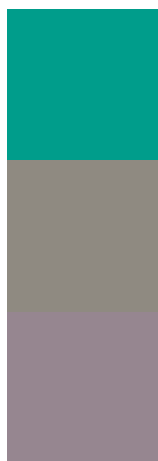


This preview shows how white text looks on a background with the Yxy color 25.9780, 0.2346, 0.3646.

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

25.9780, 0.2346, 0.3646

Protanopia

25.6016, 0.3276, 0.3441

Deuteranopia

25.5478, 0.3202, 0.3130



Tritanopia

26.0071, 0.2250, 0.3050

Trichromacy



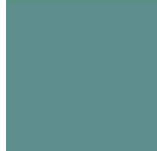
Original Color

25.9780, 0.2346, 0.3646



Protanomaly

24.1684, 0.2718, 0.3517



Deuteranomaly

23.7319, 0.2671, 0.3289



Tritanomaly

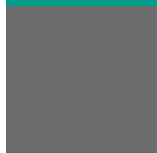
25.7311, 0.2271, 0.3250

Monochromacy



Original Color

25.9780, 0.2346, 0.3646



Achromatopsia

14.9960, 0.3127, 0.3290



Achromatomaly

17.5188, 0.2602, 0.3442

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.9780, 0.2346, 0.3646 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, 157, 139)` looks like.

```
.text, #text, p{  
  color:rgb(0, 157, 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, 157, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 157, 139) }
```

Border

The CSS property to change the border of an element to Yxy 25.9780, 0.2346, 0.3646 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, 157, 139) }
```

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

```
.border{ border-color:rgb(0, 157, 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, 157, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 157, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 157, 139);  
box-shadow:4px 4px 4px 4px rgb(0, 157,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 25.9780, 0.2346, 0.3646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 157, 139) }
```

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

```
.background{ background-color: rgb(0, 157,  
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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