

Converting Colors

$Yxy(25.3068, 0.2336, 0.3608)$

Have a look what the booklet for
Yxy(25.3068, 0.2336, 0.3608)
contains.

Yxy(25.3068, 0.2336, 0.3608)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.3068, 0.2336, 0.3608)

Conversions

Conversions Part 1

Format	Color
Hex	009B8B
RGB	0, 155, 139
RGB Percent	0%, 61%, 55%
CMY	0.9986, 0.3922, 0.4549
CMYK	1.00, 0.00, 0.10, 0.39
HSL	174°, 100%, 30%
HSV	174°, 100%, 61%
XYZ	16.3849, 25.3068, 28.4491
YIQ	106.8310, -87.2440, -37.8360

Conversions

Conversions Part 2

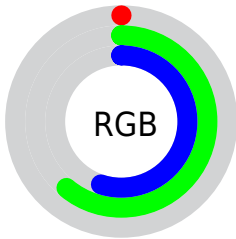
Format	Color
RYB	0, 82, 155
Decimal	39819
CIELab	57.37, -37.99, -1.35
CIElCh	57, 38.014, 182.041
Yxy	25.3068, 0.2336, 0.3608
Android (android.graphics.Color)	4278229899 (0xFF009B8B)
YUV	106.8310, 15.8593, -93.6908
Hunter-Lab	50.3059, -29.8969, 1.6843

Details

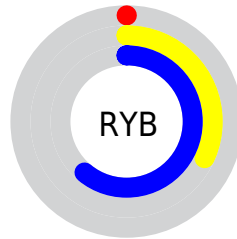
The Yxy color **25.3068, 0.2336, 0.3608** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.0141, 0.6255, 0.3222**, and the grayscale version is **14.6568, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.0228, 0.2501, 0.3547**, and **10.4218, 0.2360, 0.3697** is the 20% darker color. If you saturate the color by 10%, you get **25.3045, 0.2336, 0.3609**, and if you desaturate by 10%, it is **25.4615, 0.2345, 0.3573**.

Distribution



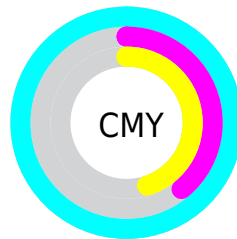
- Red (0%)
- Green (61%)
- Blue (55%)



- Red (0%)
- Yellow (32%)
- Blue (61%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (39%)



- Cyan (100%)
- Magenta (39%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.3068, 0.2336, 0.3608 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 25.3068, 0.2336, 0.3608 by changing the saturation by 10% instead.


 25.3068, 0.2336,
0.3608

 25.3068, 0.2336,
0.3608


279.3624, 0.2766,
0.3437


 16.3058, 0.2216,
0.3655


 52.1545, 0.2501,
0.3543


 9.7408, 0.2056,
0.3717


 70.7700, 0.2560,
0.3519


 5.2274, 0.1828,
0.3802

 93.3591, 0.2609,
0.3500

 2.3813, 0.1488,
0.3927

 120.3061, 0.2651,
0.3483

 0.8163, 0.0000,
0.4535

 151.9956, 0.2686,
0.3469

 0.0000, 0.0000,
0.0000

 188.8119, 0.2716,

0.3457

231.1394, 0.2743,
0.3447

■ 25.3068, 0.2336,
0.3608

■ 25.3068, 0.2336,
0.3608

■ 25.3045, 0.2336,
0.3609

■ 25.4615, 0.2345,
0.3573

■ 25.6973, 0.2368,
0.3539

■ 26.0499, 0.2408,
0.3504

■ 26.5338, 0.2467,
0.3469

■ 27.1616, 0.2544,
0.3435

■ 27.9443, 0.2638,
0.3402

■ 28.8918, 0.2746,
0.3371

■ 30.0133, 0.2865,
0.3342

■ 31.3172, 0.2995,
0.3314

Harmonies

Analogous

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



25.3068, 0.2865, 0.4221



25.3068, 0.2336, 0.3608



25.3068, 0.2034, 0.2954

Triad

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



25.3068, 0.2336, 0.3608



25.3068, 0.2664, 0.2328



25.3068, 0.4390, 0.3919

Complementary

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



25.3068, 0.2336, 0.3608



7.0141, 0.6255, 0.3222

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.



25.3068, 0.4357, 0.3427



25.3068, 0.2336, 0.3608



25.3068, 0.3296, 0.2562

Square

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



25.3068, 0.2336, 0.3608



25.3068, 0.2210, 0.2295



25.3068, 0.3940, 0.2950



25.3068, 0.4060, 0.4327

Rectangle

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



25.3068, 0.2336, 0.3608



25.3068, 0.1978, 0.2621



25.3068, 0.3940, 0.2950



25.3068, 0.4424, 0.3758

Sweetspot

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



25.3078, 0.2336, 0.3608



51.5967, 0.2736, 0.3373



23.5744, 0.3034, 0.5971



11.5218, 0.2693, 0.3386



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.



25.3078, 0.2336, 0.3608



45.3041, 0.2338, 0.3615



10.6823, 0.1891, 0.2004



7.0155, 0.3002, 0.3313



20.3292, 0.2335, 0.3606



0.3067, 0.2292, 0.3451

Inverse Universe

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



7.0141, 0.6255, 0.3222



12.5335, 0.6288, 0.3238



10.1619, 0.5714, 0.3842



6.2325, 0.3268, 0.3267



5.6303, 0.6246, 0.3215



0.0866, 0.5619, 0.2869

Previews

White Background



This preview shows how the Yxy color 25.3068, 0.2336, 0.3608 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 25.3068, 0.2336, 0.3608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

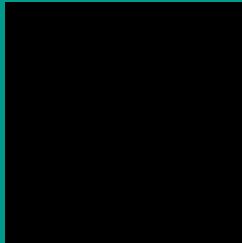
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.3068, 0.2336, 0.3608

Background



This preview shows how black text looks on a background with the Yxy color 25.3068, 0.2336, 0.3608.

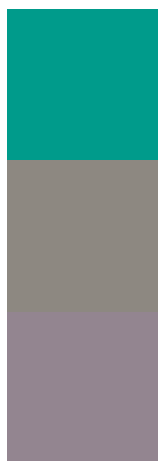


This preview shows how white text looks on a background with the Yxy color 25.3068, 0.2336, 0.3608.

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

25.3068, 0.2336, 0.3608

Protanopia

24.8560, 0.3257, 0.3409

Deuteranopia

24.9917, 0.3169, 0.3112



Tritanopia

25.2647, 0.2248, 0.3047

Trichromacy



Original Color

25.3068, 0.2336, 0.3608



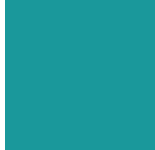
Protanomaly

23.5120, 0.2705, 0.3481



Deuteranomaly

23.3824, 0.2660, 0.3270



Tritanomaly

25.0426, 0.2266, 0.3230

Monochromacy



Original Color

25.3068, 0.2336, 0.3608



Achromatopsia

14.7027, 0.3127, 0.3290



Achromatomaly

16.9762, 0.2587, 0.3399

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.3068, 0.2336, 0.3608 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, 155, 139)` looks like.

```
.text, #text, p{  
    color:rgb(0, 155, 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, 155, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 155, 139) }
```

Border

The CSS property to change the border of an element to Yxy 25.3068, 0.2336, 0.3608 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, 155, 139) }
```

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

```
.border{ border-color:rgb(0, 155, 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, 155, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 155, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 155, 139);  
box-shadow:4px 4px 4px 4px rgb(0, 155,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 25.3068, 0.2336, 0.3608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 155, 139) }
```

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

```
.background{ background-color: rgb(0, 155,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor