

Converting Colors

$Yxy(23.0329, 0.1685, 0.3444)$

Have a look what the booklet for
Yxy(23.0329, 0.1685, 0.3444)
contains.

Yxy(26.3160, 0.2284, 0.3423)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.3160, 0.2284, 0.3423)

Conversions

Conversions Part 1

Format	Color
Hex	009D96
RGB	0, 157, 150
RGB Percent	0%, 62%, 59%
CMY	1.0000, 0.3843, 0.4118
CMYK	1.00, 0.00, 0.04, 0.38
HSL	177°, 100%, 31%
HSV	177°, 100%, 62%
XYZ	17.5594, 26.3160, 33.0046
YIQ	109.2590, -91.3250, -35.4610

Conversions

Conversions Part 2

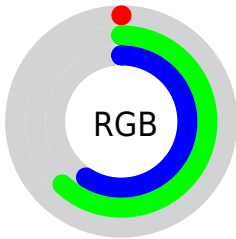
Format	Color
RYB	0, 80, 157
Decimal	40342
CIELab	58.34, -35.64, -6.18
CIELCh	58, 36.176, 189.842
Yxy	26.3160, 0.2284, 0.3423
Android (android.graphics.Color)	4278230422 (0xFF009D96)
YUV	109.2590, 20.0853, -95.8201
Hunter-Lab	51.2991, -28.6740, -2.2363

Details

The Yxy color **26.3160, 0.2284, 0.3423** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.1842, 0.6344, 0.3268**, and the grayscale version is **15.3325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6707, 0.2455, 0.3400**, and **11.0040, 0.2293, 0.3455** is the 20% darker color. If you saturate the color by 10%, you get **26.3183, 0.2284, 0.3423**, and if you desaturate by 10%, it is **26.4485, 0.2298, 0.3409**.

Distribution



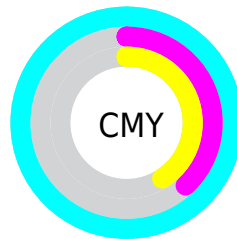
- Red (0%)
- Green (62%)
- Blue (59%)



- Red (0%)
- Yellow (31%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (38%)





- Cyan (100%)
- Magenta (38%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 26.3160, 0.2284, 0.3423 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 26.3160, 0.2284, 0.3423 by changing the saturation by 10% instead.

 26.3160, 0.2284,
0.3423


 26.3160, 0.2284,
0.3423


 284.3299, 0.2736,
0.3360


 17.0602, 0.2161,
0.3436


 53.7843, 0.2455,
0.3402

 10.2774, 0.1999,
0.3450


 72.7656, 0.2518,
0.3393


 5.5833, 0.1773,
0.3464

 95.7575, 0.2569,
0.3386

 2.5934, 0.1443,
0.3469

 123.1443, 0.2613,
0.3380

 0.9233, 0.0029,
0.3770

 155.3106, 0.2650,
0.3374

 0.0000, 0.0000,
0.0000

 192.6407, 0.2683,

0.3369

235.5190, 0.2711,
0.3364

■ 26.3160, 0.2284,
0.3423

■ 26.3160, 0.2284,
0.3423

■ 26.3183, 0.2284,
0.3423

■ 26.4485, 0.2298,
0.3409

■ 26.6613, 0.2324,
0.3394

■ 26.9935, 0.2368,
0.3380

■ 27.4601, 0.2430,
0.3365

■ 28.0741, 0.2511,
0.3351

■ 28.8468, 0.2608,
0.3338

■ 29.7887, 0.2721,
0.3324

■ 30.9092, 0.2847,
0.3312

■ 32.2169, 0.2983,
0.3301

Harmonies

Analogous

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



26.3160, 0.2738, 0.4032



26.3160, 0.2284, 0.3423



26.3160, 0.2059, 0.2843

Triad

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



26.3160, 0.2284, 0.3423



26.3160, 0.2836, 0.2419



26.3160, 0.4266, 0.4003

Complementary

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



26.3160, 0.2284, 0.3423



7.1842, 0.6344, 0.3268

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.



26.3160, 0.4328, 0.3548



26.3160, 0.2284, 0.3423



26.3160, 0.3453, 0.2685

Square

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



26.3160, 0.2284, 0.3423



26.3160, 0.2352, 0.2337



26.3160, 0.4022, 0.3084



26.3160, 0.3887, 0.4336

Rectangle

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



26.3160, 0.2284, 0.3423



26.3160, 0.2049, 0.2568



26.3160, 0.4022, 0.3084



26.3160, 0.4327, 0.3858

Sweetspot

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



26.3183, 0.2284, 0.3423



53.2371, 0.2714, 0.3325



24.1672, 0.3013, 0.5990



11.5632, 0.2669, 0.3330



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.



26.3183, 0.2284, 0.3423



47.1207, 0.2285, 0.3426



9.1469, 0.1824, 0.1767



7.5044, 0.2994, 0.3300



21.3745, 0.2284, 0.3422



0.3836, 0.2268, 0.3364

Inverse Universe

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



7.1842, 0.6344, 0.3268



12.8573, 0.6359, 0.3277



11.6314, 0.5533, 0.3988



6.6507, 0.3277, 0.3280



5.8358, 0.6337, 0.3265



0.1056, 0.6041, 0.3102

Previews

White Background



This preview shows how the Yxy color 26.3160, 0.2284, 0.3423 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 26.3160, 0.2284, 0.3423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

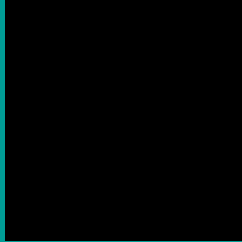
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.3160, 0.2284, 0.3423

Background



This preview shows how black text looks on a background with the Yxy color 26.3160, 0.2284, 0.3423.

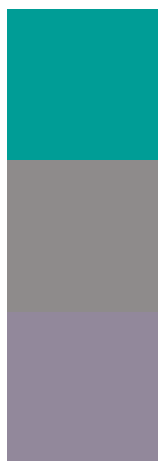


This preview shows how white text looks on a background with the Yxy color 26.3160, 0.2284, 0.3423.

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

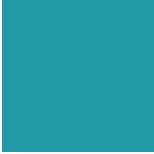
26.3160, 0.2284, 0.3423

Protanopia

26.0801, 0.3160, 0.3290

Deuteranopia

26.0859, 0.3044, 0.2988



Tritanopia

26.2413, 0.2230, 0.3050

Trichromacy



Original Color

26.3160, 0.2284, 0.3423



Protanomaly

24.7146, 0.2632, 0.3344



Deuteranomaly

24.5736, 0.2574, 0.3125



Tritanomaly

26.1865, 0.2241, 0.3175

Monochromacy



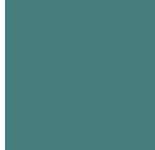
Original Color

26.3160, 0.2284, 0.3423



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

17.6422, 0.2559, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.3160, 0.2284, 0.3423 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, 150)` looks like.

```
.text, #text, p{  
    color:rgb(0, 157, 150)  
}
```

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, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 157, 150) }
```

Border

The CSS property to change the border of an element to Yxy 26.3160, 0.2284, 0.3423 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, 150) }
```

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

```
.border{ border-color:rgb(0, 157, 150) }
```

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, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 157, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 157, 150);  
box-shadow:4px 4px 4px 4px rgb(0, 157,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 26.3160, 0.2284, 0.3423 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, 150) }
```

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

```
.background{ background-color: rgb(0, 157,  
150) }
```

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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