

Converting Colors

$Yxy(27.0871, 0.2246, 0.3286)$

Have a look what the booklet for
Yxy(27.0871, 0.2246, 0.3286)
contains.

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Color

$\text{Yxy}(26.9569, 0.2241, 0.3269)$

Conversions

Conversions Part 1

Format	Color
Hex	009E9F
RGB	0, 158, 159
RGB Percent	0%, 62%, 62%
CMY	1.0000, 0.3803, 0.3765
CMYK	1.00, 0.01, 0.00, 0.38
HSL	180°, 100%, 31%
HSV	180°, 100%, 62%
XYZ	18.4798, 26.9569, 37.0255
YIQ	110.8720, -94.4890, -33.1850

Conversions

Conversions Part 2

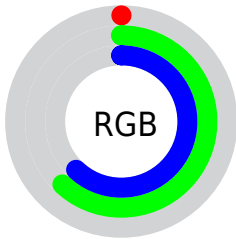
Format	Color
RYB	0, 79, 159
Decimal	40607
CIELab	58.93, -33.33, -10.40
CIELCh	59, 34.917, 197.328
Yxy	26.9569, 0.2241, 0.3269
Android (android.graphics.Color)	4278230687 (0xFF009E9F)
YUV	110.8720, 23.7271, -97.2347
Hunter-Lab	51.9200, -27.3269, -5.9372

Details

The Yxy color **26.9569, 0.2241, 0.3269** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.3913, 0.6395, 0.3304**, and the grayscale version is **15.8096, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.7189, 0.2414, 0.3274**, and **11.3908, 0.2232, 0.3234** is the 20% darker color. If you saturate the color by 10%, you get **26.9608, 0.2241, 0.3269**, and if you desaturate by 10%, it is **27.1035, 0.2259, 0.3271**.

Distribution



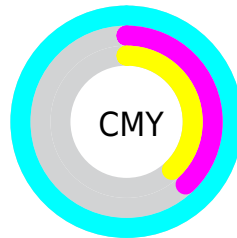
- Red (0%)
- Green (62%)
- Blue (62%)



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



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (38%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.9569, 0.2241, 0.3269 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 26.9569, 0.2241, 0.3269 by changing the saturation by 10% instead.


 26.9569, 0.2241,
0.3269


 26.9569, 0.2241,
0.3269


287.4484, 0.2711,
0.3294


 17.5409, 0.2116,
0.3256


 54.8147, 0.2418,
0.3283


 10.6209, 0.1950,
0.3235


 74.0252, 0.2483,
0.3286


 5.8125, 0.1724,
0.3197

 97.2694, 0.2536,
0.3289

 2.7314, 0.1400,
0.3121

 124.9316, 0.2582,
0.3291

 0.9932, 0.0396,
0.3112

 157.3962, 0.2621,
0.3292

 0.0000, 0.0000,
0.0000

 195.0476, 0.2655,

0.3293

238.2702, 0.2685,
0.3294

■ 26.9569, 0.2241,
0.3269

■ 26.9569, 0.2241,
0.3269

■ 26.9608, 0.2241,
0.3269

■ 27.1035, 0.2259,
0.3271

■ 27.3315, 0.2288,
0.3273

■ 27.6821, 0.2336,
0.3275

■ 28.1711, 0.2401,
0.3277

■ 28.8117, 0.2485,
0.3279

■ 29.6157, 0.2587,
0.3282

■ 30.5938, 0.2704,
0.3284

■ 31.7557, 0.2835,
0.3286

■ 33.1103, 0.2977,
0.3288

Harmonies

Analogous

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



26.9569, 0.2630, 0.3866



26.9569, 0.2241, 0.3269



26.9569, 0.2083, 0.2753

Triad

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



26.9569, 0.2241, 0.3269



26.9569, 0.2990, 0.2501



26.9569, 0.4155, 0.4074

Complementary

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



26.9569, 0.2241, 0.3269



7.3913, 0.6395, 0.3304

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.



26.9569, 0.4296, 0.3656



26.9569, 0.2241, 0.3269



26.9569, 0.3588, 0.2795

Square

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



26.9569, 0.2241, 0.3269



26.9569, 0.2481, 0.2374



26.9569, 0.4087, 0.3202



26.9569, 0.3736, 0.4336

Rectangle

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



26.9569, 0.2241, 0.3269



26.9569, 0.2112, 0.2525



26.9569, 0.4087, 0.3202



26.9569, 0.4238, 0.3945

Sweetspot

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



26.9608, 0.2241, 0.3269



54.6889, 0.2697, 0.3284



24.7932, 0.3000, 0.6000



12.1657, 0.2649, 0.3283



80.7346, 0.3127, 0.3290



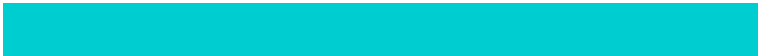
13.9985, 0.3127, 0.3290

Same Dimension

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



26.9608, 0.2241, 0.3269



48.2789, 0.2241, 0.3269



8.1666, 0.1777, 0.1597



7.5025, 0.2988, 0.3288



21.2996, 0.2242, 0.3269



0.3828, 0.2244, 0.3277

Inverse Universe

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



9.8391, 0.3224, 0.1550



17.6219, 0.3225, 0.1550



13.0337, 0.5390, 0.4102



6.7539, 0.3138, 0.3071



7.7724, 0.3224, 0.1550



0.1392, 0.3218, 0.1546

Previews

White Background



This preview shows how the Yxy color 26.9569, 0.2241, 0.3269 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 26.9569, 0.2241, 0.3269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

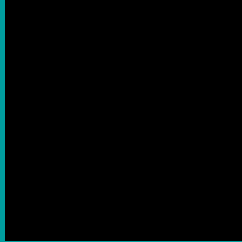
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.9569, 0.2241, 0.3269

Background



This preview shows how black text looks on a background with the Yxy color 26.9569, 0.2241, 0.3269.

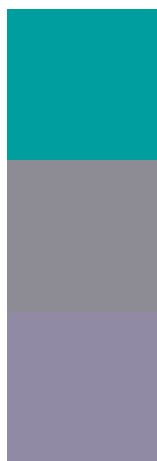


This preview shows how white text looks on a background with the Yxy color 26.9569, 0.2241, 0.3269.

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

26.9569, 0.2241, 0.3269

Protanopia

26.5570, 0.3059, 0.3160

Deuteranopia

26.7866, 0.2937, 0.2882



Tritanopia

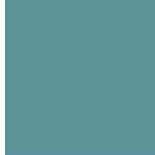
26.8884, 0.2216, 0.3052

Trichromacy



Original Color

26.9569, 0.2241, 0.3269



Protanomaly

25.3081, 0.2567, 0.3198



Deuteranomaly

25.1347, 0.2504, 0.2988



Tritanomaly

26.9592, 0.2225, 0.3140

Monochromacy



Original Color

26.9569, 0.2241, 0.3269



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

18.3364, 0.2549, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.9569, 0.2241, 0.3269 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, 158, 159)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 159)  
}
```

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, 158, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 159) }
```

Border

The CSS property to change the border of an element to Yxy 26.9569, 0.2241, 0.3269 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, 158, 159) }
```

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

```
.border{ border-color:rgb(0, 158, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 158, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 159);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 26.9569, 0.2241, 0.3269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 158, 159) }
```

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

```
.background{ background-color: rgb(0, 158,  
159) }
```

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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