

Converting Colors

$Yxy(26.8035, 0.2275, 0.3388)$

Have a look what the booklet for
Yxy(26.8035, 0.2275, 0.3388)
contains.

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Color

Yxy(26.7536, 0.2273, 0.3383)

Conversions

Conversions Part 1

Format	Color
Hex	009E99
RGB	0, 158, 153
RGB Percent	0%, 62%, 60%
CMY	1.0000, 0.3804, 0.4000
CMYK	1.00, 0.00, 0.03, 0.38
HSL	178°, 100%, 31%
HSV	178°, 100%, 62%
XYZ	17.9754, 26.7536, 34.3534
YIQ	110.1880, -92.5630, -35.0510

Conversions

Conversions Part 2

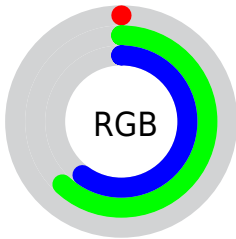
Format	Color
RYB	0, 80, 158
Decimal	40601
CIELab	58.75, -35.18, -7.28
CIELCh	59, 35.924, 191.697
Yxy	26.7536, 0.2273, 0.3383
Android (android.graphics.Color)	4278230681 (0xFF009E99)
YUV	110.1880, 21.1063, -96.6349
Hunter-Lab	51.7239, -28.4832, -3.1719

Details

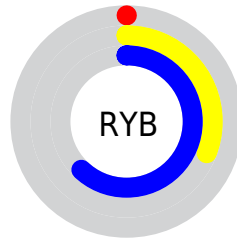
The Yxy color **26.7536, 0.2273, 0.3383** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.2805, 0.6360, 0.3277**, and the grayscale version is **15.6086, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.3688, 0.2447, 0.3371**, and **11.2674, 0.2277, 0.3397** is the 20% darker color. If you saturate the color by 10%, you get **26.7552, 0.2273, 0.3383**, and if you desaturate by 10%, it is **26.8802, 0.2287, 0.3373**.

Distribution



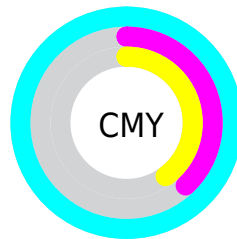
- Red (0%)
- Green (62%)
- Blue (60%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (38%)




- Cyan (100%)
- Magenta (38%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.7536, 0.2273, 0.3383 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 26.7536, 0.2273, 0.3383 by changing the saturation by 10% instead.


 26.7536, 0.2273,
0.3383


 26.7536, 0.2273,
0.3383


286.4621, 0.2729,
0.3344

 17.3883, 0.2150,
0.3389


 54.4882, 0.2445,
0.3371


 10.5117, 0.1988,
0.3394


 73.6263, 0.2508,
0.3366

 5.7395, 0.1763,
0.3394

 96.7907, 0.2560,
0.3361

 2.6873, 0.1437,
0.3376

 124.3659, 0.2604,
0.3357

 0.9708, 0.0225,
0.3558

 156.7362, 0.2642,
0.3353

 0.0000, 0.0000,
0.0000

 194.2861, 0.2675,

0.3349

237.3999, 0.2703,
0.3346

■ 26.7536, 0.2273,
0.3383

■ 26.7536, 0.2273,
0.3383

■ 26.7552, 0.2273,
0.3383

■ 26.8802, 0.2287,
0.3373

■ 27.0892, 0.2315,
0.3363

■ 27.4191, 0.2359,
0.3353

■ 27.8854, 0.2422,
0.3343

■ 28.5012, 0.2504,
0.3333

■ 29.2781, 0.2602,
0.3323

■ 30.2265, 0.2717,
0.3314

■ 31.3561, 0.2844,
0.3305

■ 32.6758, 0.2982,
0.3297

Harmonies

Analogous

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



26.7536, 0.2711, 0.3989



26.7536, 0.2273, 0.3383



26.7536, 0.2065, 0.2820

Triad

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



26.7536, 0.2273, 0.3383



26.7536, 0.2875, 0.2440



26.7536, 0.4238, 0.4021

Complementary

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



26.7536, 0.2273, 0.3383



7.2805, 0.6360, 0.3277

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.



26.7536, 0.4320, 0.3576



26.7536, 0.2273, 0.3383



26.7536, 0.3487, 0.2713

Square

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



26.7536, 0.2273, 0.3383



26.7536, 0.2385, 0.2346



26.7536, 0.4039, 0.3114



26.7536, 0.3849, 0.4337

Rectangle

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



26.7536, 0.2273, 0.3383



26.7536, 0.2065, 0.2557



26.7536, 0.4039, 0.3114



26.7536, 0.4305, 0.3880

Sweetspot

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



26.7552, 0.2273, 0.3383



54.7779, 0.2709, 0.3315



24.4893, 0.3009, 0.5993



12.1884, 0.2663, 0.3318



80.7346, 0.3127, 0.3290



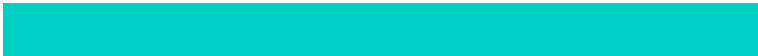
13.9985, 0.3127, 0.3290

Same Dimension

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



26.7552, 0.2273, 0.3383



48.5784, 0.2274, 0.3385



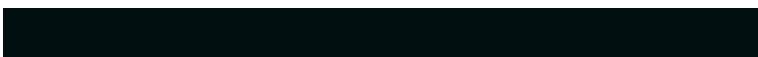
8.8513, 0.1808, 0.1709



7.5059, 0.2992, 0.3297



21.4280, 0.2273, 0.3382



0.3841, 0.2262, 0.3341

Inverse Universe

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



7.2805, 0.6360, 0.3277



13.2150, 0.6372, 0.3284



12.1319, 0.5486, 0.4026



6.6494, 0.3279, 0.3283



5.8317, 0.6355, 0.3275



0.1052, 0.6140, 0.3156

Previews

White Background



This preview shows how the Yxy color 26.7536, 0.2273, 0.3383 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 26.7536, 0.2273, 0.3383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

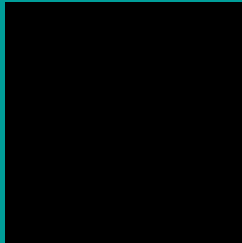
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.7536, 0.2273, 0.3383

Background



This preview shows how black text looks on a background with the Yxy color 26.7536, 0.2273, 0.3383.

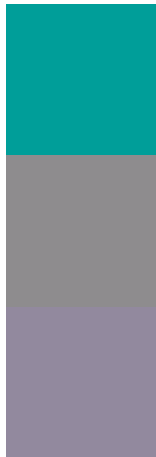


This preview shows how white text looks on a background with the Yxy color 26.7536, 0.2273, 0.3383.

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

26.7536, 0.2273, 0.3383

Protanopia

26.4599, 0.3129, 0.3257

Deuteranopia

26.4709, 0.3014, 0.2958



Tritanopia

26.9274, 0.2232, 0.3070

Trichromacy



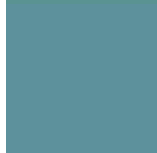
Original Color

26.7536, 0.2273, 0.3383



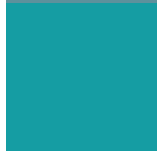
Protanomaly

25.1164, 0.2612, 0.3307



Deuteranomaly

24.9783, 0.2554, 0.3091



Tritanomaly

26.9177, 0.2239, 0.3176

Monochromacy



Original Color

26.7536, 0.2273, 0.3383



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

17.9872, 0.2554, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.7536, 0.2273, 0.3383 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, 153)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 153)  
}
```

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, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 153) }
```

Border

The CSS property to change the border of an element to Yxy 26.7536, 0.2273, 0.3383 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, 153) }
```

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

```
.border{ border-color:rgb(0, 158, 153) }
```

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, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 153);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 26.7536, 0.2273, 0.3383 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, 153) }
```

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

```
.background{ background-color: rgb(0, 158,  
153) }
```

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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