

Converting Colors

$Y_{xy}(27.7610, 0.2272, 0.3379)$

Have a look what the booklet for
Yxy(27.7610, 0.2272, 0.3379)
contains.

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Color

Yxy(27.8900, 0.2273, 0.3381)

Conversions

Conversions Part 1

Format	Color
Hex	00A19C
RGB	0, 161, 156
RGB Percent	0%, 63%, 61%
CMY	0.9982, 0.3687, 0.3882
CMYK	1.00, 0.00, 0.03, 0.37
HSL	178°, 99%, 32%
HSV	178°, 100%, 63%
XYZ	18.7501, 27.8900, 35.8503
YIQ	112.2910, -94.3510, -35.6870

Conversions

Conversions Part 2

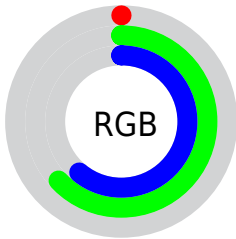
Format	Color
RYB	0, 82, 161
Decimal	41372
CIELab	59.79, -35.61, -7.43
CIElCh	60, 36.379, 191.790
Yxy	27.8900, 0.2273, 0.3381
Android (android.graphics.Color)	4278231452 (0xFF00A19C)
YUV	112.2910, 21.5485, -98.4792
Hunter-Lab	52.8110, -29.0444, -3.2809

Details

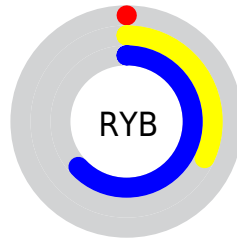
The Yxy color **27.8900, 0.2273, 0.3381** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.5983, 0.6356, 0.3278**, and the grayscale version is **16.2911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.0920, 0.2445, 0.3370**, and **11.9572, 0.2276, 0.3394** is the 20% darker color. If you saturate the color by 10%, you get **27.8876, 0.2273, 0.3381**, and if you desaturate by 10%, it is **28.0202, 0.2287, 0.3371**.

Distribution



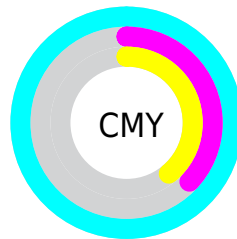
- Red (0%)
- Green (63%)
- Blue (61%)



- Red (0%)
- Yellow (32%)
- Blue (63%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (37%)




- Cyan (100%)
- Magenta (37%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8900, 0.2273, 0.3381 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 27.8900, 0.2273, 0.3381 by changing the saturation by 10% instead.

 27.8900, 0.2273,
0.3381


 27.8900, 0.2273,
0.3381


291.9409, 0.2726,
0.3343


 18.2428, 0.2152,
0.3387


 56.3088, 0.2443,
0.3370


 11.1244, 0.1993,
0.3391


 75.8491, 0.2506,
0.3365

 6.1506, 0.1774,
0.3390

 99.4559, 0.2558,
0.3360

 2.9369, 0.1459,
0.3374

 127.5136, 0.2602,
0.3356

 1.0989, 0.0508,
0.3475

 160.4065, 0.2639,
0.3352

 0.0000, 0.0000,
0.0000

 198.5191, 0.2672,

0.3349

242.2358, 0.2700,
0.3346

■ 27.8900, 0.2273,
0.3381

■ 27.8900, 0.2273,
0.3381

■ 27.8876, 0.2273,
0.3381

■ 28.0202, 0.2287,
0.3371

■ 28.2398, 0.2315,
0.3361

■ 28.5862, 0.2360,
0.3351

■ 29.0754, 0.2423,
0.3341

■ 29.7211, 0.2505,
0.3332

■ 30.5355, 0.2605,
0.3322

■ 31.5295, 0.2719,
0.3313

■ 32.7130, 0.2847,
0.3305

■ 34.0954, 0.2985,
0.3297

Harmonies

Analogous

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



27.8900, 0.2710, 0.3987



27.8900, 0.2273, 0.3381



27.8900, 0.2066, 0.2819

Triad

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



27.8900, 0.2273, 0.3381



27.8900, 0.2877, 0.2442



27.8900, 0.4236, 0.4022

Complementary

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



27.8900, 0.2273, 0.3381



7.5983, 0.6356, 0.3278

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.



27.8900, 0.4319, 0.3577



27.8900, 0.2273, 0.3381



27.8900, 0.3489, 0.2715

Square

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



27.8900, 0.2273, 0.3381



27.8900, 0.2387, 0.2347



27.8900, 0.4039, 0.3115



27.8900, 0.3846, 0.4336

Rectangle

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



27.8900, 0.2273, 0.3381



27.8900, 0.2066, 0.2557



27.8900, 0.4039, 0.3115



27.8900, 0.4303, 0.3881

Sweetspot

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



27.8910, 0.2273, 0.3381



56.3074, 0.2709, 0.3314



25.5260, 0.3008, 0.5991



12.1888, 0.2662, 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.



27.8910, 0.2273, 0.3381



49.9430, 0.2273, 0.3383



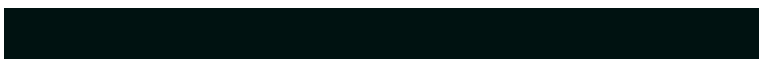
9.2440, 0.1810, 0.1712



8.0074, 0.2992, 0.3297



22.2761, 0.2272, 0.3380



0.4692, 0.2262, 0.3344

Inverse Universe

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



7.5983, 0.6356, 0.3278



13.5841, 0.6373, 0.3284



12.6607, 0.5482, 0.4026



7.0894, 0.3280, 0.3283



6.0615, 0.6357, 0.3276



0.1284, 0.6156, 0.3165

Previews

White Background



This preview shows how the Yxy color 27.8900, 0.2273, 0.3381 looks on a white background.

Color Contrast Check

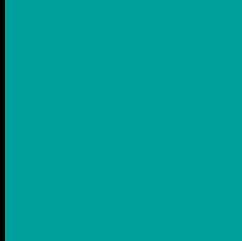
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8900, 0.2273, 0.3381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

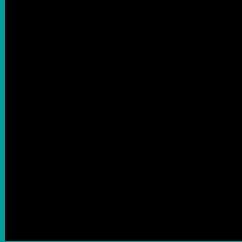
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.8900, 0.2273, 0.3381

Background



This preview shows how black text looks on a background with the Yxy color 27.8900, 0.2273, 0.3381.

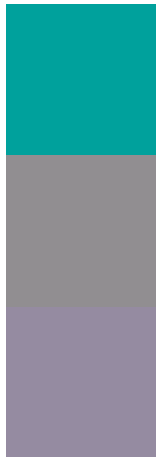


This preview shows how white text looks on a background with the Yxy color 27.8900, 0.2273, 0.3381.

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

27.8900, 0.2273, 0.3381

Protanopia

27.4101, 0.3129, 0.3242

Deuteranopia

27.4280, 0.3017, 0.2949



Tritanopia

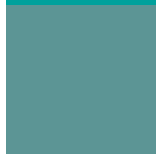
28.0982, 0.2227, 0.3056

Trichromacy



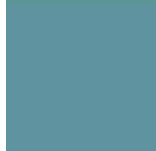
Original Color

27.8900, 0.2273, 0.3381



Protanomaly

25.9401, 0.2610, 0.3288



Deuteranomaly

25.8035, 0.2553, 0.3077



Tritanomaly

28.0542, 0.2239, 0.3178

Monochromacy



Original Color

27.8900, 0.2273, 0.3381



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

18.8634, 0.2556, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8900, 0.2273, 0.3381 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, 161, 156)` looks like.

```
.text, #text, p{  
    color:rgb(0, 161, 156)  
}
```

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, 161, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 161, 156) }
```

Border

The CSS property to change the border of an element to Yxy 27.8900, 0.2273, 0.3381 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, 161, 156) }
```

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

```
.border{ border-color:rgb(0, 161, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 161, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 161, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 161, 156);  
box-shadow:4px 4px 4px 4px rgb(0, 161,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8900, 0.2273, 0.3381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 161, 156) }
```

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

```
.background{ background-color: rgb(0, 161,  
156) }
```

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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