

Converting Colors

$Yxy(24.1982, 0.1775, 0.3387)$

Have a look what the booklet for
Yxy(24.1982, 0.1775, 0.3387)
contains.

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Color

Yxy(27.1294, 0.2273, 0.3382)

Conversions

Conversions Part 1

Format	Color
Hex	009F9A
RGB	0, 159, 154
RGB Percent	0%, 62%, 60%
CMY	0.9993, 0.3765, 0.3960
CMYK	1.00, 0.00, 0.03, 0.38
HSL	178°, 100%, 31%
HSV	178°, 100%, 62%
XYZ	18.2333, 27.1294, 34.8543
YIQ	110.8890, -93.1590, -35.2630

Conversions

Conversions Part 2

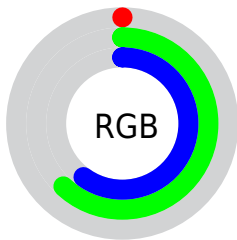
Format	Color
RYB	0, 81, 159
Decimal	40858
CIELab	59.09, -35.31, -7.34
CIELCh	59, 36.068, 191.744
Yxy	27.1294, 0.2273, 0.3382
Android (android.graphics.Color)	4278230938 (0xFF009F9A)
YUV	110.8890, 21.2537, -97.2497
Hunter-Lab	52.0859, -28.6641, -3.2149

Details

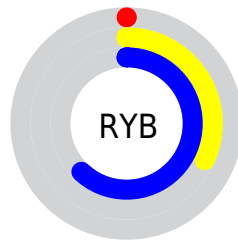
The Yxy color **27.1294, 0.2273, 0.3382** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.3858, 0.6359, 0.3278**, and the grayscale version is **15.8360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.9225, 0.2445, 0.3371**, and **11.4947, 0.2277, 0.3396** is the 20% darker color. If you saturate the color by 10%, you get **27.1291, 0.2273, 0.3382**, and if you desaturate by 10%, it is **27.2568, 0.2287, 0.3372**.

Distribution



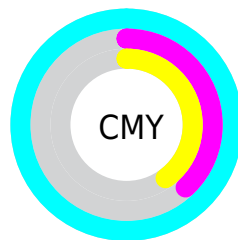
- Red (0%)
- Green (62%)
- Blue (60%)



- Red (0%)
- Yellow (32%)
- 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 27.1294, 0.2273, 0.3382 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 27.1294, 0.2273, 0.3382 by changing the saturation by 10% instead.


 27.1294, 0.2273,
0.3382


 27.1294, 0.2273,
0.3382


288.2831, 0.2728,
0.3343


 17.6704, 0.2151,
0.3388


 55.0914, 0.2445,
0.3370


 10.7136, 0.1989,
0.3393

 74.3633, 0.2507,
0.3365

 5.8746, 0.1767,
0.3392

 97.6749, 0.2559,
0.3360

 2.7690, 0.1445,
0.3375

 125.4107, 0.2603,
0.3356

 1.0124, 0.0330,
0.3526

 157.9550, 0.2641,
0.3352

 0.0000, 0.0000,
0.0000

 195.6922, 0.2674,

0.3349

239.0068, 0.2702,
0.3346

■ 27.1294, 0.2273,
0.3382

■ 27.1294, 0.2273,
0.3382

■ 27.1291, 0.2273,
0.3382

■ 27.2568, 0.2287,
0.3372

■ 27.4693, 0.2315,
0.3362

■ 27.8048, 0.2359,
0.3352

■ 28.2787, 0.2423,
0.3342

■ 28.9045, 0.2504,
0.3332

■ 29.6939, 0.2603,
0.3323

■ 30.6575, 0.2718,
0.3314

■ 31.8051, 0.2845,
0.3305

■ 33.1456, 0.2983,
0.3297

Harmonies

Analogous

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



27.1294, 0.2710, 0.3988



27.1294, 0.2273, 0.3382



27.1294, 0.2066, 0.2820

Triad

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



27.1294, 0.2273, 0.3382



27.1294, 0.2876, 0.2441



27.1294, 0.4237, 0.4021

Complementary

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



27.1294, 0.2273, 0.3382



7.3858, 0.6359, 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.



27.1294, 0.4319, 0.3576



27.1294, 0.2273, 0.3382



27.1294, 0.3488, 0.2714

Square

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



27.1294, 0.2273, 0.3382



27.1294, 0.2386, 0.2347



27.1294, 0.4039, 0.3115



27.1294, 0.3847, 0.4336

Rectangle

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



27.1294, 0.2273, 0.3382



27.1294, 0.2066, 0.2557



27.1294, 0.4039, 0.3115



27.1294, 0.4304, 0.3881

Sweetspot

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



27.1304, 0.2273, 0.3382



54.7788, 0.2709, 0.3314



24.8313, 0.3009, 0.5992



12.1886, 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.



27.1304, 0.2273, 0.3382



48.5814, 0.2273, 0.3384



8.9824, 0.1809, 0.1710



7.5059, 0.2992, 0.3297



21.4292, 0.2273, 0.3381



0.3842, 0.2261, 0.3341

Inverse Universe

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



7.3858, 0.6359, 0.3278



13.2149, 0.6372, 0.3284



12.3077, 0.5484, 0.4026



6.6493, 0.3279, 0.3283



5.8316, 0.6356, 0.3275



0.1051, 0.6143, 0.3158

Previews

White Background



This preview shows how the Yxy color 27.1294, 0.2273, 0.3382 looks on a white background.

Color Contrast Check

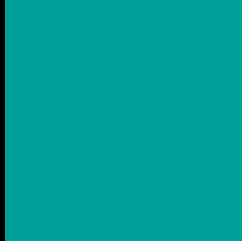
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1294, 0.2273, 0.3382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

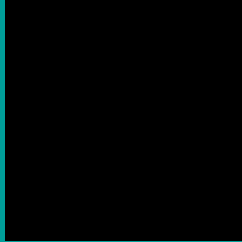
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.1294, 0.2273, 0.3382

Background



This preview shows how black text looks on a background with the Yxy color 27.1294, 0.2273, 0.3382.

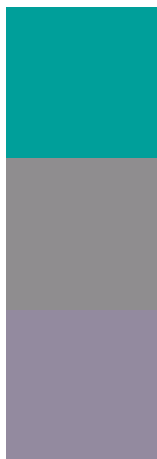


This preview shows how white text looks on a background with the Yxy color 27.1294, 0.2273, 0.3382.

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

27.1294, 0.2273, 0.3382

Protanopia

26.8726, 0.3129, 0.3257

Deuteranopia

26.8832, 0.3015, 0.2960



Tritanopia

27.3018, 0.2232, 0.3071

Trichromacy



Original Color

27.1294, 0.2273, 0.3382



Protanomaly

25.5105, 0.2615, 0.3307



Deuteranomaly

25.3718, 0.2557, 0.3093



Tritanomaly

27.2935, 0.2239, 0.3177

Monochromacy



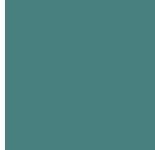
Original Color

27.1294, 0.2273, 0.3382



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

18.3102, 0.2557, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1294, 0.2273, 0.3382 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, 159, 154)` looks like.

```
.text, #text, p{  
    color:rgb(0, 159, 154)  
}
```

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, 159, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 159, 154) }
```

Border

The CSS property to change the border of an element to Yxy 27.1294, 0.2273, 0.3382 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, 159, 154) }
```

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

```
.border{ border-color:rgb(0, 159, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 159, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 159, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 159, 154);  
box-shadow:4px 4px 4px 4px rgb(0, 159,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1294, 0.2273, 0.3382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 159, 154) }
```

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

```
.background{ background-color: rgb(0, 159,  
154) }
```

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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